

ANNUAL REPORT
OF
THE MINES BRANCH
OF THE
Department of Lands and Mines
OF THE
PROVINCE OF ALBERTA

1934



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EDMONTON, ALBERTA,
February 27, 1935.

TO THE HON. H. W. ALLEN,
Minister of Lands and Mines.

SIR:

I herewith submit the report of The Mines Branch, for the year ending
December 31, 1934.

Respectfully submitted,
A. A. MILLAR,
Chief Inspector of Mines.

ANNUAL REPORT OF THE MINES BRANCH FOR THE YEAR ENDING DECEMBER 31, 1934

(ANDREW A. MILLAR, *Chief Inspector*)

The output of coal produced from mines in the Province during the year was 4,748,848 tons, with a valuation of \$12,440,616.53, being an increase of 33,974 tons over the output for 1933.

In addition to the above tonnage, there were 3,036 tons produced by farmers under permit, for their own use, which has not been included in the total output. We also believe that there was a further considerable tonnage produced by farmers without either permit or lease; of this tonnage we have no record.

The tonnage of coke being produced is still increasing. This coke is being produced in the Crowsnest Area and is used at the smelter at Trail, B.C. There have been some efforts made to produce coke for domestic use, this being in the experimental stage at present.

The disposition of coal during the year was as follows: 1,087,898 tons sold for consumption in the Province of Alberta; 1,561,387 tons in other provinces and the N.W.T. of Canada; 13,739 tons for consumption in the United States; 1,687,850 tons sold to railroad companies; 14,765 tons used making briquettes; 91,745 tons used making coke; 175,263 tons used under colliery boilers; 7,088 tons used by colliery railroads; 53,147 tons put to stock; 112,656 tons put to waste. The above tonnages include the coal lifted from stock and waste heaps.

The coal produced by farmers under permits is not included in the output nor are the particulars as to men producing such coal included in any of the tables, this information being given in a separate table. This is done in order that there should be no confusion of the regular statistics.

During the year there were in operation 3 shale pits producing 13,561 tons of clay and shale from which 4,398,032 bricks and 1,171 tons of hollow tile were made.

There were 320 mines in operation during the year, of which 21 were opened, 5 re-opened, and 35 abandoned. In addition to the mines abandoned, there were 34 mines temporarily closed, leaving 276 mines in operation as at December 31, 1934.

I regret to report the death of Mr. Moses Johnson, District Inspector of Mines in the Crowsnest Pass Area. His death occurred while he was assisting in controlling a fire which had broken out in the mine of the International Coal & Coke Co., Ltd., at Coleman, full particulars of which are given in the report on fatal accidents. In his death the Department lost a faithful and hard working official.

The only change in the staff during the year was the appointment of Mr. W. E. G. Hall to fill the vacancy caused through the death of Mr. Johnson.

The mines in the Pekisko Area were transferred from Mr. J. B. de Hart, of Lethbridge, to Mr. W. G. Heeley, of Calgary.

There were 304 persons examined during the year for certificates of competency as coal-miners, of whom 253 were successful, making a total of 13,613 certificates issued to coal-miners to December 31, 1934.

Samples of mine air were taken at several mines during the year by the inspectors, the samples being forwarded to the Chemistry Branch of the Depart-

ment of Mines, Ottawa, for analysis, this being done in addition to testing the air with the Burrell and McLuckie gas detectors.

Samples of rock-dust, used for rock dusting the roadways in the bituminous mines, have been collected at intervals and forwarded to the Provincial Analyst to be tested for silica content.

Samples of coal have been collected and forwarded to the Industrial Research Department, University of Alberta, for analysis.

All fatal and serious accidents have been investigated by the inspectors, who also attended the inquests in their areas, this being in addition to the regular inspection of the mines.

One accident occurred which caused the death of three persons, this being the explosion which occurred in the mine operated by The Thomas Coal Co., Ltd., at Nacmine, near Drumheller.

In this case the overman, a fireboss and a miner were killed through an explosion of C.H.4 gas, of which full particulars will be found in the report on fatal accidents.

There were a total of 15 fatal accidents as compared with 6 in 1933. In addition to the accidents in the operating mines, there were three serious accidents at operations which were being carried on illegally, two in an abandoned mine and the other in a cut-bank. These accidents are not included in the accidents reported from operating mines.

There were twenty prosecutions instituted for contraventions of The Coal-mines Regulation Act, made up as follows: 4 owners, 9 officials and 7 miners.

One case was of a person working with a certificate which belonged to another person. He was found guilty and fined, with the alternative of one month hard labour. The fine not being paid, a warrant was issued. This case was tried October 31, 1934, and decision given February 4, 1935.

There were 19,447,621 K.W. hours of electrical purchased power used by the mines in the Province during the year.

The distribution of purchased power by mines in the various areas was as follows: Big Valley, 9,600 K.W. hrs. purchased power from the Union Power Co., Ltd., of Drumheller, who also supplied 155,180 K.W. hrs. to mines in Carbon and 3,360,629 K.W. hrs. to mines in the Drumheller area.

The Calgary Power Co., Ltd., supplied purchased electrical power to mines in areas as follows: Camrose, 5,810 K.W. hrs.; Edmonton, 1,132,940 K.W. hrs.; Gleichen, 1,258 K.W. hrs.; Lethbridge, 440,531 K.W. hrs.; and Taber, 15,953 K.W. hrs.

The mines in the Crowsnest Area purchased 14,263,720 K.W. hrs. from the East Kootenay Power Company.

The City of Medicine Hat supplied 62,000 K.W. hrs. to mines in the Redcliff area.

There were 9,655 men employed at the mines during the month of December 1934, being 429 less than there were in the corresponding month of 1933.

In the Bituminous mines new installations of wet washers have been made. This necessitated the installation of dryers for the purpose of drying the wet coal. Also, there have been some dry cleaning plants installed which are being operated by the static pneumatic system.

A number of mines have installed the latest type of electric cap lamps, which give 30 to 50 candle power, which materially increase the lighting effect.

ANNUAL PRODUCTION OF COAL FROM MINES IN THE PROVINCE OF ALBERTA

The following table is taken from a report prepared by the Dominion Bureau of Statistics and published in "Coal Statistics for Canada" for the year 1933:

Calendar Year	Short tons	Value
1886	43,220	\$ 81,112
1887	74,152	157,577
1888	115,124	183,354
1889	97,364	179,640
1890	128,753	198,298
1891	174,131	437,243
1892	178,970	460,605
1893	230,070	586,260
1894	184,940	473,827
1895	169,885	382,526
1896	209,162	581,832
1897	242,163	630,408
1898	315,088	787,720
1899	309,600	774,000
1900	311,450	778,625
1901	340,275	850,687
1902	402,819	960,601
1903	495,893	1,117,541
1904	661,732	1,404,524
1905	931,917	1,993,915
1906	1,246,360	2,614,762
1907	1,591,579	3,836,286
1908	1,685,661	4,127,311
1909	1,994,741	4,838,109
1910	2,894,469	7,065,736
1911	1,511,036	3,979,264
1912	3,240,577	8,113,525
1913	4,014,755	10,418,940
1914	3,683,015	9,350,392
1915	3,360,818	8,283,079
1916	4,559,054	11,386,577
1917	4,736,368	14,153,685
1918	5,972,816	20,537,287
1919	4,933,660	18,205,205
1920	6,907,765	30,186,933
1921	5,909,217	27,246,514
1922	5,990,911	24,351,913
1923	6,854,397	28,018,303
1924	5,189,729	18,884,318
1925	5,869,031	20,021,484
1926	6,503,705	20,886,103
1927	6,934,162	21,982,058
1928	7,336,330	23,532,414
1929	7,150,693	22,928,182
1930	5,755,528	18,063,225
1931	4,564,015	13,342,675
1932	4,870,648	13,526,309
1933	4,718,788	12,307,258
Total	135,596,536	\$435,268,143

NOTE: Production quantities and values prior to 1919 refer to sales and colliery consumption. For 1919 to 1933, the mine output figures are given.

THE MINES BRANCH

ANNUAL CONSUMPTION OF COAL IN CANADA, 1902-1933

The following revised table is taken from the report issued by the Dominion Bureau of Statistics for the year 1933:

Year	Canadian*	Imported Coal Entered for Consumption†		Total Short tons	Per Capita
	Short tons	%	From U.S.A. Short tons	From Great Britain Short tons	%
1902	5,376,413	53.1	4,656,286	101,726	46.9
1903	6,005,735	47.3	6,520,931	184,593	52.7
1904	6,697,183	47.9	7,238,869	85,687	52.1
1905	7,032,661	49.4	7,233,738	68,500	50.6
1906	7,927,560	50.5	7,737,338	7,215,446	52.1
1907	8,617,352	45.0	10,538,697	54,325	49.5
1908	9,156,478	47.3	10,203,325	10,549,503	55.0
1909	8,913,376	47.9	9,805,253	10,195,424	52.7
1910	10,532,103	50.2	10,545,451	51,671	52.1
1911	9,822,749	40.5	14,510,129	48,963	49.8
1912	12,385,696	46.0	14,537,124	14,424,949	59.5
1913	13,450,158	42.6	18,145,769	14,549,104	54.0
1914	12,214,403	45.5	14,687,853	37,825	57.4
1915	11,500,480	48.1	12,450,796	18,132,387	54.5
1916	12,348,036	41.3	17,576,202	12,406,212	51.9
1917	12,313,603	37.2	20,848,009	17,517,820	58.7
1918	13,160,731	40.3	21,674,826	20,810,132	62.8
1919	11,611,768	37.8	17,292,913	21,611,101	62.2
1920	14,025,566	42.9	18,752,981	17,236,269	59.7
1921	12,715,734	41.1	18,300,081	19,668,741	57.1
1922	13,044,352	50.2	12,255,555	18,258,387	58.9
1923	15,070,962	41.8	20,417,239	12,962,189	49.8
1924	12,529,358	42.8	16,405,344	20,967,971	58.2
1925	12,125,290	42.6	15,744,957	16,714,143	57.2
1926	15,086,296	47.7	16,204,405	16,331,971	57.4
1927	15,944,983	46.7	17,266,484	287,299	52.3
1928	16,487,807	50.0	15,830,688	18,177,303	53.3
1929	16,387,461	48.0	16,780,452	16,515,582	50.0
1930	14,052,671	43.3	16,971,933	17,724,132	52.0
1931	11,682,779	47.7	11,793,798	18,412,039	56.7
1932	11,212,701	49.0	9,889,866	19,874,421	52.3
1933	11,456,273	51.5	8,865,935	11,654,492	51.0
				10,808,962	48.5
				22,265,235	2,085
				22,867,193	2,177
				32,464,710	3,181
				34,111,593	3,402
				33,003,389	3,356
				34,122,286	3,541
				31,651,851	3,349
				28,457,261	3,062
				29,243,501	3,199
				36,038,933	4,000
				26,006,541	2,916
				30,974,121	3,524
				32,694,307	3,788
				28,847,437	3,402
				34,771,832	4,175
				33,123,735	4,049
				29,865,856	3,717
				23,906,692	3,041
				26,852,323	3,490
				31,582,545	4,136
				26,334,800	3,365
				24,247,698	3,067
				20,970,226	2,962
				18,625,202	2,682
				19,351,902	2,820
				19,166,855	2,947
				15,685,885	2,481
				13,249,107	2,341
				13,994,665	2,412
				12,684,185	2,212
				10,110,972	1,848

*The sum of Canadian coal-mine sales, colliery consumption, coal supplied to employees and coal used in making coke, etc., less the tonnage of coal exported.

†Includes small tonnages from countries other than Great Britain and the United States. Deductions have been made to take account of foreign coal re-exported from Canada and bituminous coal ex-warehoused for ships' stores.

The following table shows the quantity of coke imported into Canada during the years 1932, 1933 and 1934 through ports in the Provinces, compiled from information received from the Dominion Bureau of Statistics:

Ports in Province of:	1932	1933	1934
Prince Edward Island			
Nova Scotia	8,275	6,851	8,361
New Brunswick	150	121	464
Quebec	30,257	12,314	27,177
Central Ontario	571,625	562,755	864,030
Ontario (Head of Lakes)	(34,279	53,063	17,205
Manitoba	6,260	8,125	11,091
Saskatchewan			
Alberta			
British Columbia	1,553	846	1,893
Total	652,399	644,075	930,221

Imports of Coke into Canada. by Countries, 1932, 1933, 1934.

United States	612,922	624,293	*896,637
Great Britain	39,422	19,668	* 33,270
Germany	55	114	* 314
Total	652,399	644,075	*930,221

*These figures show the total imports and not the tonnages "entered for consumption."

Quantity of coal in tons, entered for consumption for each year since 1919, through ports in the Provinces of Manitoba, Saskatchewan, Ontario, British Columbia and Alberta.

BITUMINOUS COAL

Year	Central Ontario	Port Arthur	Port Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total Canada
1919	7,641,682	483,991	59,253	1,063,793	9,248,719	62,746	1,406	1,131	6,700	12,010,490
1920	10,261,237	571,879	111,957	1,391,709	12,336,903	43,547	535	607	13,128	15,902,632
1921	8,605,872	659,763	127,956	1,316,155	10,709,746	76,833	2,127	1,820	17,081	13,536,250
1922	7,424,171	445,019	68,082	1,517,250	9,454,522	74,848	1,454	1,147	13,966	11,563,467
1923	11,621,859	619,037	95,439	1,731,667	14,068,002	112,134	1,607	1,110	17,919	17,517,108
1924	8,763,676	403,388	70,259	1,500,525	10,737,848	143,607	2,422	1,209	25,049	12,619,082
1925	9,100,462	286,984	81,173	497,264	9,884,710	147,758	1,732	1,175	40,286	13,015,323
1926	10,531,095	199,908	83,182	965,105	11,696,108	149,374	1,887	1,515	32,992	13,802,242
1927	11,572,678	221,694	90,864	1,273,691	13,158,927	142,860	2,141	1,324	22,648	15,178,640
1928	10,539,408	194,718	103,594	1,481,228	12,318,948	97,002	2,536	1,360	18,682	13,966,183
1929	11,232,027	143,889	100,141	1,591,656	13,067,713	38,801	2,477	1,327	18,526(a)	14,585,275(b)
1930	10,421,748	165,499	70,403	1,297,939	11,955,589	7,041	1,816	1,351	8,886(c)	13,345,308(d)
1931	8,553,736	86,810	65,738	608,279	9,315,563	7,041	1,535	912	2,308(e)	10,347,280(f)
1932	6,867,307	62,019	48,915	691,831	7,670,072	12,298	1,459	830	3,582(n)	8,532,318(k)
1933	7,057,634	74,934	30,108	482,206	7,644,882	13,213	1,327	998	26,077(q)	8,446,904(o)
1934*	8,472,143	126,671	37,085	607,122	9,243,021	12,103	1,255	1,302	2,307(r)	10,273,557

ANTHRACITE COAL

Year	Central Ontario	Port Arthur	Port Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Total Canada
1919	2,977,913	119,234	559	346,442	3,444,148	12,906	206	66	136	4,972,283
1920	2,943,134	69,206	2,648	226,476	3,221,464	17,509	517	517	75	4,912,964
1921	2,809,189	62,782	138	198,108	3,070,217	33,473	254	66	251	4,567,370
1922	1,586,924	21,507	12	36,018	1,644,461	14,715	231	1,261	1,261	2,693,957
1923	3,061,779	28,229	429	54,329	3,144,766	55,856	2,291	1,174	687	5,167,881
1924	2,599,568	4,775	237	84,513	2,689,093	34,222	1,720	30	246	4,183,594
1925	2,203,281	37	170	50,731	2,254,049	34,396	702	30	5,202	3,798,744
1926	2,458,674	.....	56	60,810	2,519,494	17,990	464	.....	3,812	4,242,932
1927	2,123,515	.....	51	79,293	2,202,849	15,885	484	.....	2,241	4,063,619
1928	2,179,022	.....	42	57,494	2,236,558	10,130	579	.....	3,737,333	4,019,917(g)
1929	2,246,063	352	303	52,369	2,299,087	9,180	365	.....	597	4,256,090(h)
1930	2,080,457	.....	224	45,241	2,125,922	8,323	367	.....	33	3,178,141
1931	1,615,643	.....	3	18,302	1,633,945	3,695	.....	3	702	3,138,157(m)
1932	1,250,755	.....	8	12,677	1,263,435	3,800	.....	75	3,657	3,035,613(p)
1933	1,129,041	.....	3,030	7,934	1,137,791	5,669	57	.....	282	3,537,309
1934*	1,374,881	.....	.....	.....	1,385,845	6,086	.....	.....	.....	.....

- (a) Includes 11 tons imported in February, 50 tons in July and 6 tons in August into the Yukon Territory.
- (b) Includes 115,368 tons of bituminous coal from Great Britain, also 76 tons of bituminous coal from Newfoundland. During 1929 there were 1,896 tons of lignite coal imported from the United States into Manitoba, 41 tons were imported from the United States into Saskatchewan, also 12,171 tons from the United States into British Columbia, making a total of 14,108 tons of lignite coal imported into Canada from the United States.
- (c) Includes imports into the Yukon Territory of 2 tons in April and 5 tons in June.
- (d) Consists of 13,199,076 tons imported from the United States, 146,199 tons imported from Great Britain and 33 tons imported from Newfoundland.
- (e) Includes imports into the Yukon Territory of 6 tons in March and 4 tons in July.
- (f) Consists of 10,224,982 tons imported from the United States, 122,298 tons imported from Great Britain.
- (g) Includes 738,458 tons of anthracite imported from Great Britain, 117,404 tons from Russia and 112 tons from Japan.
- (h) Consists of 2,955,954 tons imported from United States, 996,127 tons imported from Great Britain, 11,480 tons imported from Germany, 291,407 tons imported from Russia, and 1,122 tons imported from French East Indies.
- (i) Consists of 2,236,423 tons imported from the United States, 876,364 tons imported from Great Britain, 60,762 tons imported from Germany and 4,592 tons imported from French East Indies.
- (j) Consists of 8,170,248 tons imported from the United States, 362,068 tons imported from Great Britain, and 2 tons imported from Newfoundland.
- (m) Consists of 1,685,532 tons imported from the United States, 1,399,086 tons imported from Great Britain, 52,189 tons imported from Germany, 650 tons from Belgium and 700 tons imported from the French East Indies.
- (n) Includes 4 tons imported in June, into the Yukon territory.
- (o) Consists of 8,108,699 tons imported from the United States, 338,061 tons imported from Great Britain and 144 tons imported from Germany.
- (p) Consists of 1,429,829 tons imported from the United States, 1,605,776 tons imported from Great Britain, 6 tons imported from China, and 2 tons imported from Alaska.
- (q) Includes imports into the Yukon Territory of 5 tons in May and 2 tons in October.
- (r) Includes imports into the Yukon Territory of 5 tons in May, 20 tons in June, and 12 tons in September.

Imports* of Coal into Ontario, Manitoba, Saskatchewan, Alberta, British Columbia, Yukon and also Canada, by months during 1934 (short tons)

BITUMINOUS COAL

Month	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Total Man., Alta., B.C., and Yukon	Total Canada
January	325,557	.....	3,142	.....	328,699	1,669	.....	37	191	.....	1,897	359,308
February	221,833	.....	1,794	.....	223,627	862	.....	75	251	.....	1,188	254,432
March	418,595	.....	2,283	.....	420,878	1,207	139	100	105	.....	1,551	420,858
April	333,219	.....	1,220	.....	334,439	1,047	187	142	35	.....	1,411	335,850
May	929,542	.....	3,421	.....	969,751	887	211	345	142	5	1,590	1,068,208
June	941,217	.....	.....	36,788	965,763	406	36	191	151	20	1,531	1,088,545
July	995,896	.....	3,166	59,817	1,050,834	602	177	131	845	.....	1,721	1,216,163
August	876,679	.....	3,052	97,771	1,028,397	915	237	131	885	.....	2,128	1,156,404
September	943,325	.....	3,259	116,265	1,078,811	571	183	39	81	12	886	1,197,230
October	927,793	.....	6,570	114,068	1,048,431	1,745	31	100	170	.....	2,046	1,169,116
November	994,920	.....	5,120	84,052	1,084,092	1,172	34	37	139	.....	1,382	1,215,737
December	563,566	.....	4,058	2,598	570,222	1,020	.....	37	159	.....	1,216	604,407
Total	8,472,143	126,671	37,085	607,122	9,243,021	12,103	1,235	1,302	2,270	37	16,947	(a) 10,273,557

(a) Consists of 9,943,162 tons imported from the United States, 329,726 tons imported from Great Britain, 50 tons imported from Germany, 24 tons imported from Newfoundland, 300 tons imported from Japan, 280 tons imported from Norway, and 15 tons imported from Sweden.

ANTHRACITE COAL

Month	Central Ontario	Port Arthur	Fort Frances	Fort William	Total Ontario	Manitoba	Saskatchewan	Alberta	British Columbia	Yukon	Total Man., Alta., B.C., and Yukon	Total Canada
January	131,106	.....	.....	2,994	134,100	757	.....	.....	.....	.....	757	181,914
February	102,089	.....	.....	.....	102,089	692	.....	.....	.....	.....	692	165,473
March	150,966	.....	1	.....	150,967	579	.....	.....	.....	.....	579	218,058
April	66,945	.....	.....	.....	66,945	416	.....	.....	.....	.....	416	85,323
May	134,910	.....	2	.....	134,912	459	.....	.....	.....	.....	459	460,046
June	110,705	.....	2,968	498	114,171	295	.....	.....	.....	.....	295	378,482
July	91,116	.....	.....	2,652	93,768	256	.....	.....	.....	.....	256	329,624
August	85,019	.....	.....	.....	85,019	334	.....	.....	.....	.....	334	305,963
September	131,308	.....	.....	.....	131,308	630	.....	.....	.....	.....	630	396,456
October	120,973	.....	35	.....	121,008	763	.....	.....	282	.....	1,045	391,399
November	132,804	.....	16	1,790	134,610	486	.....	.....	.....	.....	486	450,066
December	116,940	.....	8	.....	116,948	419	.....	.....	.....	.....	419	178,500
Total	1,374,881	.....	3,030	7,934	1,385,845	6,086	.....	.....	282	.....	6,368	(b) 3,537,309

(b) Consists of 1,804,127 tons imported from the United States, 1,643,516 tons imported from Great Britain, 72,103 tons imported from Germany, 6 tons imported from Newfoundland, and 17,557 tons imported from Belgium.

LIGNITE COAL

January	596	550	46	42	253	10	2,486	2,791	2,791
February	144	144	32	..	..	..	..	..	..
March	135	103	4	..	..	..	..	..	..
April	190	186	..	14	..	..	..	..	..
May	14	..	..	..	..	..	..	..	..
June	48	48	..	..	..	..	..	..	..
July	..	..	..	..	..	..	..	..	..
August	97	97	..	..	..	..	..	..	..
September	173	44	129	21	..	..	..	..	..
October	248	227	..	2	40	..	..	..	..
November	368	320	2	5	2	..	..	..	..
December	778	767	..	..	..	..	..	..	..
Total	596	2,486	253	42	253	10	2,486	2,791	2,791

TOTAL IMPORTATIONS

Bituminous	8,472,143	126,671	37,085	607,122	9,243,021	12,103	1,235	2,270	16,947	10,273,557
Anthracite	1,374,881	..	3,030	7,934	1,385,845	6,086	42	282	6,368	3,537,309
Lignite	..	..	..	..	..	253	..	2,486	2,791	2,791
Total	9,847,024	126,671	40,115	615,056	10,628,866	18,442	1,277	5,038	26,106	13,813,657

*These figures show the total imports and not the tonnages "entered for consumption."

MINERAL PRODUCTION OF ALBERTA, 1933 AND 1934

Prepared in the Mining, Metallurgical and Chemical Branch, Ottawa, Canada.

	1933		1934(a)	
	Quantity	Value	Quantity	Value
*Gold, fine ounces	324	\$ 6,698	348	\$ 7,194
†Exchange equalization		2,569		4,812
Silver, fine ounces	32	12	31	15
Bituminous sands, tons	466	1,662	862	3,449
Coal, tons	4,718,788	12,307,258	4,748,074	12,547,285
Natural gas, M. cu. ft.	15,352,811	3,886,263	14,000,000	3,720,586
Petroleum, Brls.	995,832	2,844,157	1,260,000	3,213,120
Cement, Brls.	149,206	299,530	163,946	326,253
Clay products		198,373		242,375
Lime, tons	7,501	62,037	7,455	65,697
Sand and gravel, tons	281,122	85,577	603,162	185,911
Stone, tons	1,550	8,817	2,747	8,104
Total		\$19,702,953		\$20,324,801

(a) Subject to revision.

*Gold valued at standard rate of \$20.671834 per ounce.

†Difference between the standard rate and the average value of gold during the year.

Particulars with reference to the Coal-mining Industry in the Province of Alberta during the year ending December 31, 1934:

SUMMARY OF STATISTICS

Tonnage stripped by farmers under domestic permit	3,036
Number of short tons of Coal produced	4,748,848
Number of short tons of Briquettes produced	15,906
Number of short tons of Coke produced	59,703
Number of short tons of Shale produced	13,561
Number of Coal-mines in operation during the year	320
Number of Shale Pits in operation during the year	3
Number of Mines opened during the year	21
Number of Mines re-opened during the year	5
Number of Mines closed during the year	34
Number of Mines abandoned during the year	35
Number of Mines in operation at December 31, 1934	276
170 mines or 53.12% of the total operating produced	1.34% of the output.
68 mines or 21.25% of the total operating produced	3.00% of the output.
13 mines or 4.06% of the total operating produced	1.88% of the output.
40 mines or 12.5% of the total operating produced	22.20% of the output.
15 mines or 4.68% of the total operating produced	20.45% of the output.
6 mines or 1.88% of the total operating produced	17.12% of the output.
6 mines or 1.88% of the total operating produced	21.98% of the output.
2 mines or .63% of the total operating produced	12.03% of the output.
Average number of persons employed below ground	5,089
Average number of persons employed above ground	2,054
Number of separate accidents causing loss of life	13

Number of deaths caused by accidents above ground	3
Number of deaths caused by accidents below ground	12
Number of serious accidents above ground	7
Number of serious accidents below ground	61
Number of slight accidents above ground	8
Number of slight accidents below ground	62
Total purchased electrical power (kilowatt hours)	19,447,621
Number of persons prosecuted under The Coal-mines Regulation Act	20
Number of Provisional Certificates (overman) issued in 1934	162
Number of Certificates of Competency as Coal-miners issued in 1934	133
Number of Third Class Certificates issued in 1934	46
Number of Second Class Certificates issued in 1934	13
Number of First Class Certificates issued in 1934	1
Number of Mine Surveyors' Certificates issued in 1934	
Total number of Third Class Certificates issued to December 31, 1934	1,280
Total number of Second Class Certificates issued to December 31, 1934	431
Total number of First Class Certificates issued to December 31, 1934	237
Total number of Mine Surveyors' Certificates issued to December 31, 1934	186
Total number of Interchange First Class Certificates issued to December 31, 1934	5
Total number of Certificates of Competency as Coal-miners issued to December 31, 1934	13,613

In the following table the short ton of 2,000 lbs. is used in all cases.

Year	Output in tons for N.W.T. (Alta. & Sask.)	Output in tons for Alberta
1901	346,649	
1902	510,674	
1903	622,939	
1904	782,931	
1905		811,228
1906		1,385,000
1907		1,834,745
1908		1,845,000
1909		2,174,329
1910		3,036,757
1911		1,694,564
1912		3,446,349
1913		4,306,346
1914		3,821,739
1915		3,434,891
1916		4,638,604
1917		4,863,414
1918		6,148,620
1919		5,022,412
1920		6,908,923
1921		5,937,195
1922		5,976,432
1923		6,866,923
1924		5,203,713
1925		5,883,394
1926		6,508,908
1927		6,936,780
1928		7,334,179
1929		7,147,250
1930		5,755,911
1931		4,564,290
1932		4,870,030
1933		4,714,484
1934		4,748,848

THE MINES BRANCH

PARTICULARS OF WORK DONE IN SHALE MINES IN THE
PROVINCE DURING 1934

Output of shale in tons, used for making bricks	13,561
Average number of days worked each month	16
Average number of men employed each month	9
Total number of shifts worked	1,809
Explosives used (lbs.), 40% Dynamite	1,562
Number of miss-shots	2
Number of shots fired, fuse	917
Total number of bricks made	4,398,032
Total number of bricks lifted from stock	95,275
Total number of bricks put to stock	155,000
Bricks sold for use in: Alberta	1,745,799
British Columbia	153,500
Saskatchewan	1,454,353
Manitoba	339,600
Ontario	38,000
United States	
Total	3,731,252
Total hollow tile made, in tons	1,171
Total hollow tile put to stock, in tons	1,171
Hollow tile, in tons, sold for use in (lifted from Stock (203):	
Alberta	9
British Columbia	
Saskatchewan	24
Manitoba	170
	203

PARTICULARS OF WORK DONE BY FARMERS STRIPPING COAL
UNDER DOMESTIC PERMIT

Total tonnage	3,036
Number of days worked during year	64
Number of men employed during year	241
Total number of shifts worked	1,866
Total number of permits issued	71

The above coal was stripped for Domestic use only and not for sale.

CLASSIFICATION OF OUTPUT DURING THE YEARS 1901 TO 1934 INCLUSIVE.

Year	Domestic	Domestic and Bituminous	Sub-Bituminous	Bituminous	Anthracite	Coal used in coke production	Briquettes	Coke
*1901	.....	331,907	.....	.....	14,742	.....	.....	.....
*1902	.....	494,087	.....	.....	16,587	.....	.....	.....
*1903	.....	617,754	.....	.....	5,185	.....	.....	.....
*1904	.....	759,568	.....	.....	23,363	.....	.....	.....
*1905	.....	972,686	.....	.....	43,653	.....	.....	.....
1906	602,780	.....	.....	546,623	235,597	71,292	.....	46,640
1907	639,335	.....	.....	959,295	256,115	103,930	49,585	69,844
1908	584,334	.....	.....	1,001,571	249,095	112,887	36,261	73,782
1909	763,673	.....	.....	1,197,399	213,257	128,397	89,785	73,657
1910	878,011	.....	.....	1,896,961	261,785	148,104	108,996	87,512
1911	964,700	.....	.....	1,649,745	80,119	196,249	48,200	121,518
1912	1,341,389	.....	.....	1,926,371	178,589	61,591	90,000	33,864
1913	1,763,225	.....	.....	2,374,401	168,720	170,818	90,000	103,864
1914	1,697,401	.....	.....	1,953,367	170,971	104,012	130,861	85,167
1915	1,682,922	.....	.....	1,626,237	125,732	44,219	109,082	29,658
1916	2,172,801	.....	.....	2,335,259	140,544	38,878	83,180	23,826
1917	2,537,829	.....	.....	2,206,868	118,717	67,105	107,939	41,950
1918	3,035,061	.....	.....	2,982,334	131,225	51,905	183,818	31,630
1919	2,611,009	.....	.....	2,325,787	85,616	53,462	170,430	32,558
1920	3,359,309	.....	.....	3,419,021	130,594	.....	101,693	.....
1921	2,943,141	.....	.....	2,897,380	96,674	.....	82,466	.....
1922	3,161,741	.....	635,073	2,214,273	40,417	.....	33,663	.....
1923	3,096,660	.....	459,869	3,245,313	107	.....	39,638	.....
1924	3,156,359	.....	585,765	1,521,288	.....	.....	.....	.....
1925	3,130,029	.....	581,835	2,145,200	.....	.....	.....	.....
1926	3,357,171	.....	490,371	2,858,508	.....	.....	791	.....
1927	3,378,200	.....	595,190	2,984,419	.....	.....	11,381	.....
1928	3,385,749	.....	740,498	3,215,481	.....	287	20,649	173
1929	2,874,090	.....	668,108	3,093,393	.....	.....	23,768	.....
1930	2,246,544	.....	603,331	2,278,490	.....	.....	23,167	.....
1931	2,576,831	.....	471,389	1,846,357	.....	.....	24,111	.....
1932	2,434,047	.....	559,479	1,733,720	.....	4,591	15,102	2,183
1933	2,295,566	.....	554,141	1,726,596	.....	75,275	13,582	49,279
1934	.....	.....	537,542	1,191,740	.....	91,745	15,906	59,703

*Includes output from Alberta and Saskatchewan. Previous to 1922 sub-bituminous was included in bituminous coal.

During the year 1909 a strike affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1911 a strike affecting all the larger mines in the Province, lasted for a period of eight months.

During the year 1917 a strike affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1919 a strike affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1922 a strike affecting all the larger mines in the Province, lasted for a period of five months.

During the year 1924 a strike affecting all the larger mines in the Province, lasted for a period of six and one-half months.

THE MINES BRANCH

Total output of COAL, COKE and BRIQUETTES disposed of during 1934:

	Sold for consumption in						Sold to Railroad Companies	Total Sales	Used under Colliery Boilers	Used by R.R. Collieries	Used making Briquettes	Used making Coke	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including waste put to stock and not lifted from	Total output for stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	Quebec	North-West Territories	United States										
Domestic	1,009,525	57,534	906,252	205,212	32,203	...	...	9,593	2,220,319	64,442	1,343	...	20,628	17,466	24,667	3,965	2,295,566	...
Sub-Bituminous	40,906	27,170	14,165	70,981	20,356	...	31	253,123	426,732	28,358	4,753	...	4,349	74,313	960	3	537,542	...
Bituminous	37,467	42,934	66,222	114,939	3,388	...	...	4,146	1,703,823	82,463	992	14,765	28,170	20,877	26,565	530	1,915,740	...
Total	1,087,898	127,638	986,639	391,132	55,947	...	31	13,739	4,350,874	175,263	7,088	14,765	53,147	112,656	52,192	4,498	4,748,848	...
Briquettes	1,929	2,578	1,808	3,640	2,028	...	...	...	15,906	...	...	...	...	...	212	...	15,906	...
Coke	680	59,062	...	35	...	...	...	...	59,777	...	...	...	138	...	...	...	59,703	...

Total output of COAL, COKE and BRIQUETTES disposed of during 1933:

Domestic	1,042,567	65,316	956,636	242,151	18,382	...	...	14,332	2,339,384	73,429	936	...	18,762	21,468	17,047	2,885	2,434,047	...
Sub-Bituminous	34,981	33,010	21,733	66,839	19,166	32	...	33	250,249	428,043	4,258	...	2,103	93,363	2,269	...	554,141	...
Bituminous	45,808	22,585	74,541	140,691	1,889	...	...	4,084	1,539,411	76,445	800	14,935	17,139	21,848	18,379	878	1,726,596	...
Total	1,123,357	120,911	1,052,910	449,681	39,437	32	...	18,449	4,304,838	180,517	5,994	14,935	38,004	136,679	37,695	3,763	4,714,784	...
Briquettes	1,836	3,646	1,563	3,610	649	16,104	16,104	...
Coke	641	48,284	69	36	49,069	180	343	...	313	...	49,279	...

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How the total output of DOMESTIC Coal from the Province was disposed of by areas during 1934:

Areas	Sold for Consumption in					Total Sales	Used under Colliery Boilers	Used by Colliery R.R.	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and lifted from stock or waste.
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States							
Ardley	16,229	...	4,128	34	...	...	1,100	...	375	59	376	...	21,549
Big Valley	1,911	...	...	...	...	...	...	...	...	145	...	...	2,056
Brooks	7,423	...	...	...	...	...	...	...	...	...	...	...	7,423
Camrose	31,652	...	8,080	309	...	...	564	...	60	1,338	1,262	1,306	39,435
Carbon	63,340	1,214	13,974	9,203	109	...	343	...	823	2,335	1,786	1,699	87,856
Castor	29,991	...	...	...	...	...	73	...	80	1,306	...	...	31,450
Champion	18,467	...	...	...	...	...	...	...	...	955	...	...	19,422
Drumheller	181,457	30,530	621,977	150,963	30,084	2,362	16,300	...	2,111	80	2,622	242	1,032,060
Edmonton	425,485	1,204	12,491	3,021	105	...	9,366	...	1,776	734	2,163	...	452,019
Gleichen	6,697	...	...	...	...	...	...	...	...	10	...	...	6,707
Halcourt	3,012	...	...	...	...	...	...	...	62	14	49	...	3,040
Lethbridge	120,933	19,587	125,523	11,016	1,243	6,255	27,075	85	11,829	2,114	12,983	...	312,677
Magrath	1,956	...	...	...	...	...	...	...	25	126	...	...	2,002
Milk River	4,670	...	...	...	...	...	...	...	...	...	...	...	4,796
Pakowki	1,909	...	...	...	...	...	...	...	...	...	...	...	2,252
Pembina	27,870	3,869	22,063	6,243	662	...	7,214	325	3,043	3,074	3,399	...	70,964
Redcliff	12,017	899	31,008	1,081	...	...	...	933	...	...	...	...	45,938
Rochester	963	...	...	...	...	...	...	...	...	...	...	...	1,033
Sheerness	21,782	...	42,158	796	...	...	40	...	25	2,777	...	264	67,942
Taber	11,453	231	1,844	352	...	976	557	...	136	...	...	...	14,836
Tofield	18,913	...	23,006	22,194	...	...	1,810	...	139	1,639	27	58	16,549
Wetaskiwin	...	...	...	...	...	...	...	...	...	476	...	396	66,000
No Area	1,332	...	...	...	...	...	...	...	55	8	...	...	1,395
Total	1,009,525	57,534	906,252	205,212	32,203	9,593	64,442	1,343	20,628	17,466	24,667	3,965	2,295,566

THE MINES BRANCH

How the total output of SUB-BITUMINOUS Coal from the Province was disposed of during 1934:

Areas	Sold for Consumption in					Sold to Railroad Companies	Total Sales	Used under Colliery Boilers	Used by R.R. Colliery	Used making Briquettes	Used making Coke	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and waste but not lifted from stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	North-West Territories	United States									
Coalspur	24,882	22,965	4,239	57,190	13,036	.....	.....	19,895	4,753	.....	.....	3,820	73,604	539	.....	410,108
Pekisko	2,586	.....	.....	.....	.....	.....	.....	2,386	36	.....	.....	5	286	29	3	2,881
Pincher	1,288	.....	.....	.....	.....	.....	.....	1,288	57	.....	.....	46	423	5	.....	1,809
Prairie Creek	6,949	3,857	861	4,218	911	31	.....	83,687	4,513	.....	.....	160	.....	100	.....	88,260
Saunders	5,201	348	9,065	9,573	6,409	.....	.....	30,596	3,857	.....	.....	318	.....	287	.....	34,484
Total	40,906	27,170	14,165	70,981	20,356	31	.....	253,123	4,753	.....	.....	4,349	74,313	960	3	537,542

BITUMINOUS																
Cascade	2,331	1,612	561	7,000	67	.....	.....	16,332	404	14,765	91,745	7,733	969	8,537	.....	161,869
Crowsnest	24,503	40,287	62,011	43,378	3,321	.....	4,146	30,969	588	.....	91,745	20,437	19,908	18,028	530	991,233
Mountain Park	4,585	1,035	1,568	62,561	.....	.....	.....	28,828	.....	.....	.....	.....	.....	.....	.....	623,231
Nordegg	6,048	.....	2,082	.....	.....	.....	.....	6,334	.....	.....	.....	.....	.....	.....	.....	139,407
Total	37,467	42,934	66,222	114,939	3,388	.....	4,146	82,463	992	14,765	91,745	28,170	20,877	26,565	530	1,915,740

How the total output of COAL from the Province was disposed of by months during 1934:

[illegible]

THE MINES BRANCH

How the total output of DOMESTIC Coal was disposed of by months during 1934:

Months	Sold for Consumption in						Used under Colliery Boilers	Used by R.R. Colliery	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	United States							
January	147,885	5,294	122,101	31,516	3,223	1,358	8,454	157	3,092	2,361	2,994	410	322,447
February	79,454	5,273	69,972	20,891	3,443	816	8,287	81	1,225	1,137	3,333	410	184,936
March	80,746	3,449	61,332	14,011	1,190	178	6,423	117	1,296	1,052	2,786	754	166,254
April	40,268	1,724	25,105	3,456	188	34	3,263	19	638	615	2,483	1,553	71,260
May	27,807	1,093	19,312	5,530	63	34	3,044	15	404	481	1,481	60	56,242
June	23,788	803	18,284	3,177	462	34	2,998	15	169	168	1,186	34	48,694
July	21,087	1,220	16,229	1,761	344	436	2,772	2	767	221	801	139	43,602
August	42,916	1,723	46,528	8,068	487	436	3,600	3	560	352	1,759	139	102,775
September	112,018	8,557	140,905	22,622	3,129	674	6,290	317	2,519	2,471	729	246	298,773
October	135,935	11,286	153,646	31,550	6,213	3,786	7,132	342	3,984	2,858	1,226	246	353,260
November	155,741	7,757	112,053	29,042	6,992	733	6,949	136	3,484	3,877	2,693	181	323,890
December	141,880	9,355	120,785	33,588	6,469	1,578	7,230	139	2,390	1,873	3,266	588	321,433
Total	1,009,525	57,534	906,252	205,212	32,203	9,593	64,442	1,343	20,628	17,466	24,667	3,965	2,295,566
Percentage of Total Sales	45.47	2.59	40.82	9.24	1.45	0.43							

How the total output of SUB-BITUMINOUS Coal was disposed of by months during 1934:

Months	Sold for Consumption in						Sold to Railroad Companies	Total Sales	Used under Colliery Boilers	Used by R.R. Colliery	Put to Stock	Put to Waste	Lifted from Stock	Lifted from Waste	Total output for year including put to stock and waste but not lifted from stock or waste
	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	North-West Territories									
January	3,277	3,486	1,556	13,205	2,499	.....	26,460	50,483	3,170	453	3,643	7,793	.....	.....	65,542
February	3,227	1,886	414	6,947	2,252	.....	23,415	38,141	2,503	412	43	9,330	.....	.....	50,429
March	4,243	1,801	1,037	5,588	982	.....	23,720	37,371	2,404	334	231	8,545	10	.....	48,875
April	1,464	641	196	4,356	.....	.....	21,351	28,008	2,074	356	46	8,363	124	.....	38,723
May	739	554	473	1,466	.....	31	17,829	21,092	1,923	325	39	5,438	285	.....	28,532
June	1,137	286	637	586	123	.....	12,114	14,883	1,569	140	.....	4,059	50	.....	20,601
July	3,035	1,143	465	1,348	71	.....	18,310	24,372	2,532	733	.....	4,540	160	.....	32,017
August	2,781	1,726	509	2,951	831	.....	5,134	13,932	1,752	180	.....	45	19	3	15,887
September	4,771	1,896	1,896	6,541	2,189	.....	16,341	34,412	2,058	180	51	3,763	.....	.....	40,464
October	4,856	3,559	3,008	9,613	4,282	.....	27,434	52,752	2,863	520	236	10,474	76	.....	66,769
November	5,702	3,942	2,247	8,764	3,395	.....	30,313	54,363	2,735	546	20	5,922	236	.....	63,350
December	5,674	5,472	1,727	9,616	3,732	.....	30,702	56,923	2,775	574	40	6,041	.....	.....	66,353
Total	40,906	27,170	14,165	70,981	20,356	31	253,123	426,732	28,358	4,753	4,349	74,313	960	3	537,542
Percentage of Total Sales	9.59	6.3	3.32	16.63	4.77	.07	59.32								

Amount of COAL sold during the years 1915 to 1934 inclusive for consumption in:

Year	Alberta	British Columbia	Saskatchewan	Manitoba	Ontario	North-West Territories	Quebec	United States	To Railroads	Total
1915	2,129,130	54,860	695,898	64,816	.....	.....	.....	25,047	.....	2,969,751
1916	2,866,670	86,413	1,007,765	97,265	.....	.....	.....	61,092	.....	4,119,205
1917	2,813,413	76,397	1,139,771	249,872	.....	.....	.....	93,061	.....	4,372,534
1918	3,440,154	101,189	1,372,439	511,168	629	.....	.....	133,276	.....	5,558,855
1919	2,991,110	95,461	1,115,329	314,290	308	.....	.....	121,212	.....	4,637,710
1920	1,647,202	128,850	1,310,146	600,962	13,911	.....	30	152,610	2,516,555	6,371,266
1921	1,415,861	116,089	1,294,441	495,388	9,898	.....	.....	133,823	2,023,204	5,488,704
1922	1,443,942	107,920	1,371,249	520,518	21,573	.....	102	105,514	2,076,291	5,647,109
1923	1,382,788	108,326	1,223,454	553,649	52,334	.....	.....	83,557	3,110,121	6,514,219
1924	1,431,327	114,186	1,189,788	510,407	16,525	.....	.....	39,142	1,613,574	4,914,949
1925	1,440,032	117,037	1,297,653	509,655	28,831	.....	.....	40,507	2,139,716	5,573,431
1926	1,325,290	127,858	1,296,181	591,267	74,559	.....	221	48,216	2,706,440	6,170,032
1927	1,508,089	187,028	1,428,904	612,542	22,680	.....	.....	45,160	2,759,765	6,653,168
1928	1,409,475	262,198	1,511,141	605,125	52,265	.....	.....	44,265	3,054,239	6,938,708
1929	1,446,555	236,840	1,455,213	588,647	55,647	.....	.....	51,625	2,923,827	6,758,075
1930	1,234,382	227,385	1,221,542	541,537	29,784	.....	.....	44,291	2,120,237	5,419,190
1931	1,020,694	171,610	905,574	442,761	27,036	.....	100	30,434	1,668,451	4,266,660
1932	1,134,311	136,188	1,097,382	497,006	20,583	.....	.....	27,366	1,619,921	4,532,892
1933	1,123,357	120,911	1,052,910	449,681	39,437	.....	.....	18,449	1,500,061	4,304,838
1934	1,087,898	127,638	986,639	391,132	55,947	31	.....	13,739	1,687,850	4,350,874

NOTE: Previous to 1920 Railroad Coal was included in Sales in Alberta.

THE MINES BRANCH

Coal produced by years from 1930 to 1934 inclusive:

DOMESTIC COAL FIELD

Areas	1930	1931	1932	1933	1934
Ardley	2,852	10,578	18,409	20,099	21,549
Big Valley	4,451	3,344	4,738	4,407	2,056
Brooks	7,992	4,905	6,622	6,614	7,423
Camrose	35,443	41,194	42,376	37,454	39,435
Carbon	91,027	85,824	88,837	100,549	87,856
Castor	24,759	24,162	37,043	34,694	31,450
Champion	12,441	12,113	17,296	20,541	19,422
Drumheller	1,433,350	1,070,543	1,245,474	1,112,204	1,033,000
Edmonton	417,310	370,252	454,293	477,791	452,019
Gleichen	3,055	3,235	5,260	4,662	6,707
Halcourt	436	2,080	2,275	2,873	3,040
Lethbridge	545,227	358,746	387,222	335,166	312,677
Magrath	969	1,749	1,808	2,013	2,002
Milk River	1,357	3,879	4,051	5,295	4,796
Pakan .....	.....	.....	195	.....	.....
Pakowki	2,092	1,615	2,717	2,602	2,252
Pembina	119,983	92,916	99,051	101,684	70,964
Redcliff	25,180	25,119	24,045	32,267	45,938
Rochester	140	225	.....	1,348	1,033
Sexsmith .....	.....	34	.....	.....	.....
Sheerness	21,674	20,134	24,726	27,290	67,942
Stevenville .....	.....	.....	136	100	.....
Taber	12,303	11,863	14,387	15,813	16,549
Tofield	111,932	101,792	95,637	88,212	66,003
Wetaskiwin	105	188	180	170	58
Whitcourt	12	54	.....	44	.....
No Areat .....	.....	.....	53	155	1,395
Total	2,374,090	2,246,544	2,576,831	2,434,047	2,295,566

SUB-BITUMINOUS COAL FIELD

Coalspur	515,296	398,068	452,532	427,485	410,108
Pekisko	4,225	873	1,527	1,573	2,881
Fincher	2,318	2,413	2,729	1,983	1,809
Prairie Creek	15,425	35,523	66,784	84,765	88,260
Saunders	66,067	34,512	35,907	38,335	34,484
Total	603,331	471,389	559,479	554,141	537,542

BITUMINOUS COAL FIELD

Cascade	212,953	166,297	169,328	124,607	161,869
Crowsnest	1,133,914	951,970	714,352	876,448	991,233
Mountain Park	726,777	560,875	711,383	584,430	623,231
Nordeggy	204,846	167,215	138,657	141,111	139,407
Total	2,278,490	1,846,357	1,733,720	1,726,596	1,915,740

Total output of DOMESTIC COAL by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	2,894	1,443	1,052	544	656	376	107	883	2,618	3,491	3,785	3,700	21,549
Big Valley	319	184	176	95	73	10	10	16	95	270	495	313	2,056
Brooks	720	381	397	148	108	96	104	248	850	2,051	1,606	714	7,423
Camrose	5,703	3,236	3,174	1,366	1,039	704	685	1,213	3,989	4,439	8,082	7,140	39,435
Carbon	12,570	7,665	6,534	3,355	2,422	1,640	2,955	4,129	10,568	13,477	13,031	10,420	87,856
Castor	7,015	1,777	1,441	666	228	239	254	1,069	2,152	6,762	6,381	4,094	31,450
Champion	2,105	1,291	1,433	710	638	527	761	1,069	2,435	3,031	3,415	2,017	19,422
Drumheller	155,732	86,794	66,770	21,793	14,551	13,004	9,272	49,594	146,277	170,290	144,666	154,257	1,033,000
Edmonton	72,722	43,589	43,327	19,700	14,784	11,949	7,759	12,771	39,568	50,387	65,635	69,428	452,019
Gleichen	690	325	441	259	140	175	190	272	813	1,085	1,423	893	6,707
Halcourt	670	335	157	11	18	29	75	123	114	135	468	905	3,040
Lethbridge	34,437	18,791	18,427	9,331	7,806	8,148	9,614	17,170	56,638	59,756	37,484	35,075	312,677
Magrath	258	197	103	110	26	13	47	124	183	223	369	347	2,002
Milk River	433	275	224	150	111	83	137	198	585	1,189	1,006	405	4,796
Pakowki	165	272	106	43	21	27	112	51	205	963	1,777	110	2,952
Pembina	8,515	5,967	10,341	2,031	1,235	1,403	1,395	1,511	8,390	10,323	9,590	10,261	70,964
Redcliff	4,548	2,653	3,819	2,638	2,468	2,479	2,328	2,498	7,656	6,869	4,074	3,908	45,978
Rochester	292	98	2820	3,849	4,900	4,427	5,660	5,973	7,569	8,249	10,198	8,322	67,242
Sheerness	3,000	2,775	874	492	545	181	269	979	2,380	4,038	2,237	1,638	16,549
Taber	1,205	1,711	4,505	3,967	4,473	3,184	2,778	3,512	5,298	8,056	9,138	7,821	66,003
Tofield	8,264	5,007	8	2	.....	.....	.....	.....	.....	.....	.....	.....	58
Wetaskiwin	45	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Whitecourt	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
No Area	145	167	125	.....	.....	.....	.....	.....	.....	172	353	433	1,395
Total	322,447	184,936	166,254	71,260	56,242	48,694	43,602	102,775	298,773	355,260	323,890	321,433	2,295,566

Total output of SUB-BITUMINOUS COAL by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	50,476	39,825	39,330	32,925	23,084	15,073	25,697	8,399	26,846	49,070	48,564	50,819	410,108
Pekisko	450	371	112	86	64	29	283	273	371	177	246	419	2,881
Pincher	256	133	128	87	32	32	79	8	112	262	405	295	1,809
Prairie Creek	8,775	7,392	6,910	5,183	4,601	4,776	5,207	6,201	9,816	10,199	10,077	8,826	88,260
Saunders	5,585	2,708	2,395	492	751	691	751	1,006	3,982	7,444	3,936	4,743	34,484
Total	65,542	50,429	48,875	38,723	28,532	20,601	32,017	15,887	40,464	66,769	63,350	66,353	537,542

THE MINES BRANCH

Total output of BITUMINOUS COAL by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	13,192	10,114	13,911	10,036	15,992	12,364	19,508	19,463	10,961	11,708	12,000	12,620	161,869
Crowsnest	80,225	53,797	73,357	74,778	98,078	102,358	116,481	112,954	59,202	73,754	70,417	69,832	991,233
Mountain Park	56,119	50,730	53,020	44,826	41,067	39,229	38,101	39,854	60,351	61,873	65,893	72,168	623,231
Nordegg	15,044	12,864	12,613	9,334	8,198	7,734	7,751	8,091	10,817	15,084	15,726	15,551	139,407
Total...	164,580	127,505	153,901	139,574	163,335	161,685	181,841	180,362	141,331	162,419	164,036	170,171	1,915,740

Total output of COAL AND BRIQUETTES during the year:

Coal	552,569	362,870	374,030	249,557	248,109	230,980	257,460	299,024	480,568	584,448	551,276	557,957	4,748,848
Briquettes	2,021	1,574	1,472	482	218	160	683	1,329	1,790	1,898	1,883	2,396	15,906
Coke	4,832	4,217	4,735	4,587	4,963	5,027	5,138	5,176	5,391	5,685	4,703	5,249	59,703

Total Sales of SUB-BITUMINOUS COAL for consumption by Railroad Companies:

Coalspur	20,685	17,526	18,137	16,544	13,537	7,810	14,001	634	9,937	20,985	23,002	23,465	186,263
Prairie Creek	5,775	5,889	5,583	4,807	4,292	4,304	4,309	4,500	6,404	6,449	7,311	7,237	66,860
Saunders													
Total	26,460	23,415	23,720	21,351	17,829	12,114	18,310	5,134	16,341	27,434	30,313	30,702	253,123

Total Sales of BITUMINOUS COAL for consumption by Railroad Companies:

Cascade	7,985	5,748	9,843	8,614	13,253	10,962	17,577	15,322	7,299	7,644	7,359	7,026	118,632
Crowsnest	42,818	26,265	49,762	52,439	78,499	77,357	96,772	86,704	36,701	39,801	42,082	37,298	666,498
Mountain Park	41,685	42,333	45,345	38,652	34,454	33,116	33,225	32,107	53,433	54,131	56,628	59,545	524,654
Nordegg	12,648	11,384	11,262	9,008	7,442	7,016	7,019	7,285	9,598	13,523	14,701	14,057	124,943
Total	105,136	85,730	116,212	108,713	133,648	128,451	154,593	141,418	107,031	115,099	120,770	117,926	1,434,727
Grand Total	131,596	109,145	139,932	130,064	151,477	140,565	172,903	146,552	123,372	142,533	151,083	148,628	1,687,850

Total amount of Domestic Coal disposed of by areas during each month for consumption in Alberta:

LUMP COAL

Ardley	965	583	348	185	70	114	60	182	1,111	1,326	1,016	906	6,836
Big Valley	40	24	19	4	4	93	104	244	839	98	101	95	385
Brooks	346	363	393	144	106	169	174	202	1,355	2,033	1,532	1,695	6,912
Camrose	1,720	730	755	392	251	453	530	862	2,571	3,967	2,502	1,648	11,118
Carbon	4,384	2,272	1,404	907	506	83	75	144	683	1,585	1,549	1,007	24,512
Castor	1,488	567	393	142	89	343	528	746	1,813	2,340	2,639	1,510	7,805
Champion	1,452	870	942	463	437	981	1,295	6,309	14,766	10,299	12,655	10,858	14,083
Drumheller	13,288	4,443	3,989	1,116	1,651	1,454	558	1,642	12,078	15,888	20,335	23,572	81,650
Edmonton	24,776	13,260	9,769	3,817	2,706	7	14	44	29	76	285	382	129,855
Gleichen	158	70	49	10	2	7	14	3,311	8,691	9,638	8,966	6,415	228
Halcourt	234	117	49	2,031	1,215	1,536	1,921	22	96	233	111	15	1,249
Lethbridge	6,728	3,267	4,532	18	12	5	23	7	52	227	76	28	58,251
Magrath	79	18	18	21	4	8	8	9	1,933	1,776	2,210	2,532	173
Milk River	66	35	55	30	7	8	39	29	1,645	1,345	385	645	556
Pakowki	1,717	781	436	79	8	8	2	113	1,096	2,070	1,535	837	11,528
Pembina	896	419	280	229	2	90	51	344	967	1,741	1,097	659	6,036
Redcliff	824	236	280	234	151	129	180	456	636	1,060	1,423	1,200	7,281
Sheerness	770	821	552	350	354	350	350	72	158	199	429	7,777	7,645
Taber	607	480	511	2	2	2	2	14,666	50,407	56,994	62,528	55,926	7,777
Tofield	45	3	8	2	2	2	2	14,666	50,407	56,994	62,528	55,926	58
Wetaskiwin	45	3	8	2	2	2	2	14,666	50,407	56,994	62,528	55,926	429
Total	60,583	29,359	24,912	10,252	7,636	5,823	5,910	14,666	50,407	56,994	62,528	55,926	384,996

THE MINES BRANCH

MINE-RUN COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	960	368	225	82	47	44	32	91	217	771	982	1,445	5,264
Big Valley	223	129	125	65	45	10	10	15	59	150	371	175	1,377
Brooks	389	43	164	160	5	.....	111	.....	51	200	432	177	1,732
Camrose	864	290	592	235	167	131	556	187	644	1,101	1,116	1,065	6,948
Carbon	5,198	1,098	977	444	111	123	166	260	1,306	4,787	4,443	2,829	21,742
Castor	221	152	202	69	23	35	7	.....	.....	.....	.....	.....	709
Champion	1,089	702	946	458	130	85	126	61	483	689	1,492	884	7,145
Drumheller	9,182	5,672	7,552	2,624	2,474	2,235	1,977	2,656	3,386	5,417	8,198	8,879	60,252
Edmonton	519	249	441	259	140	175	190	272	813	1,085	1,424	883	6,450
Gleichen	412	194	90	1	16	22	49	72	30	57	178	478	1,695
Halcourt	1,271	1,061	1,131	944	1,185	904	124	992	825	1,002	1,606	1,111	12,156
Lethbridge	150	135	60	61	14	13	47	124	119	225	369	347	1,684
Magrath	427	269	202	125	96	77	110	172	469	910	870	387	4,114
Milk River	68	187	32	2	11	15	21	33	138	636	83	76	1,302
Pakowki	72	492	1,470	1,406	160	949	885	701	225	.....	5	52	6,417
Pemina	630	306	652	278	565	281	266	141	234	778	669	224	5,376
Redcliff	180	84	.....	.....	.....	.....	.....	.....	.....	.....	.....	317	815
Rochester	759	847	828	357	514	195	247	598	1,238	2,880	3,482	1,686	13,641
Sheerness	207	88	36	24	24	15	37	38	203	374	349	205	1,861
Taier	1,874	584	279	80	163	354	360	107	758	1,655	2,448	1,301	9,963
Tofield	145	121	125	.....	.....	.....	.....	.....	.....	13	7	35	446
No Area .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	24,830	13,071	16,184	7,686	5,890	5,663	5,321	6,520	11,218	22,930	28,758	22,908	170,979

NUT COAL

Ardley	321	202	188	117	67	168	.....	146	567	459	461	340	3,036
Big Valley	34	20	18	15	12	.....	.....	.....	20	10	.....	20	149
Brooks	366	8	4	3	2	3	.....	.....	11	.....	.....	.....	397
Camrose	2,115	1,292	1,495	566	564	373	252	609	1,780	1,936	2,790	2,499	16,271
Carbon	2,296	1,677	1,977	971	584	488	177	1,167	2,641	3,097	3,179	1,812	20,066
Castor	32	12	16	7	9	11	3	10	59	129	98	58	444
Champion	358	138	227	134	125	121	186	269	495	562	600	400	3,675
Drumheller	5,035	3,194	2,590	1,128	654	948	560	1,880	3,894	4,704	5,506	5,188	35,281
Edmonton	19,447	12,519	16,352	7,571	4,189	3,106	2,966	4,874	12,564	14,348	18,880	19,773	136,889
Gleichen	13	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	19
Lethbridge	2,499	1,223	1,082	629	285	563	1,482	1,889	6,348	6,125	4,431	3,606	30,162
Magrath	23	31	24	14	5	125	124	125	544	651	683	827	97
Pembina	414	245	342	218	195	125	1	1	149	299	85	34	4,483
Redcliff	25	11	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	605
Rochester	31	82	.....	.....	14	3	4	10	61	163	87	96	31
Sheerness	262	127	62	22	17	12	2	73	169	279	181	234	782
Taber	55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15	1,233
Tofield	363	.....	.....	.....	.....	.....	4	2	.....	.....	.....	.....	378
Halcourt .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	82	153	166	6
No Area .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	401
Total	33,689	20,847	24,378	11,695	6,722	5,921	5,761	11,054	29,302	32,844	37,134	35,068	254,415

SLACK COAL

Ardley	63	71	767	13	19	7	2	1	106	173	351	298	1,063
Brooks	8	10	839	1799	616	227	210	4	50	142	54	19	114
Camrose	265	571	839	3,300	2,355	2,034	1,413	510	628	1,020	232	450	2,531
Carbon	1,680	3,628	4,219	4,761	4,040	3,453	1,668	5,084	6,545	5,505	1,257	1,942	11,814
Drumheller	9,374	8,973	8,236	4,761	4,040	3,453	1,668	2,784	9,550	11,518	6,523	7,377	57,381
Edmonton	14,647	35	11	.....	.....	.....	.....	.....	.....	.....	14,683	14,176	98,489
Halcourt	35	20	11	.....	.....	.....	.....	.....	.....	2	37	45	152
Lethbridge	1,761	1,534	927	576	412	536	594	1,936	2,865	3,746	2,842	2,635	20,364
Magrath	6	13	1	2	.....	.....	.....	.....	.....	.....	.....	.....	22
Pakowki	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
Pembina	883	87	222	135	34	77	53	32	1,085	821	1,054	949	5,432
Rochester	41	14	.....	.....	.....	.....	.....	.....	.....	.....	42	25	122
Sheerness	12	32	.....	.....	.....	.....	.....	.....	.....	.....	34	78	78
Taber .....	.....	138	50	48	81	47	155	89	110	50	113	35	714
Tofield .....	.....	.....	.....	.....	.....	.....	.....	199	152	169	73	27	795
No Area .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	26	.....	56
Total	28,783	16,177	15,272	10,635	7,559	6,381	4,095	10,576	21,091	23,167	27,321	27,978	199,135

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Alberta:

LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	562	784	1,903	716	52	47	775	714	638	937	1,047	683	8,858
Pincher	60	45	28	11	8	8	4	3	3	45	134	114	460
Prairie Creek	538	377	340	32	.....	31	209	82	216	239	278	265	2,609
Saunders	274	45	95	.....	.....	264	99	203	378	336	136	166	1,996
Total	1,434	1,251	2,366	759	60	350	1,087	1,004	1,232	1,557	1,595	1,228	13,923

MINE-RUN COAL

Coalspur	150	108	102	80	72	59	93	93	57	83	95	151	1,143
Pekisko	277	257	122	86	64	29	279	292	356	177	238	409	2,586
Pincher	75	25	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	120
Prairie Creek	106	99	24	44	8	106	4	72	101	51	80	66	761
Saunders	57	25	92	109	6	8	114	14	58	122	30	64	699
Total	665	514	360	319	150	202	490	471	572	433	443	690	5,309

NUT COAL

Coalspur	322	1,007	969	294	330	392	721	256	548	474	927	991	7,231
Pincher	72	37	44	28	19	24	10	5	22	92	181	116	650
Prairie Creek	145	34	73	.....	.....	.....	20	1	139	123	32	18	585
Saunders	304	321	398	64	180	.....	187	146	163	322	289	94	2,468
Total	843	1,399	1,484	386	529	416	938	408	872	1,011	1,429	1,219	10,934

SLACK COAL

Coalspur	306	44	33	.....	.....	169	342	515	1,501	1,103	1,627	2,010	7,650
Pincher	29	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	48
Prairie Creek .....	.....	.....	.....	.....	.....	.....	178	383	594	714	608	527	3,004
Saunders .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	38	.....	.....	38
Total	335	63	33	.....	.....	169	520	998	2,095	1,855	2,235	2,537	10,740

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Alberta:

LUMP COAL

Cascade	265	117	139	40	88	40	20	130	83	188	119	175	1,404
Crowsnest	288	270	189	86	76	75	33	104	174	280	431	384	2,390
Mountain Park	136	102	144	76	56	52	44	27	95	129	107	152	1,120
Total	689	489	472	202	220	167	97	261	352	597	657	711	4,914

MINE-RUN COAL

Cascade	2,475	1,560	1,976	46	593	487	56	1,255	50	1,770	2,279	2,854	152
Crowsnest	383	262	320	190	144	118	120	122	1,739	318	370	511	18,167
Mountain Park	884	152	390	403	317	290	286	349	754	1,005	450	768	3,238
Nordegg .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6,048
Total	3,742	1,974	2,731	1,266	1,054	895	969	1,726	2,923	3,093	3,099	4,133	27,605

NUT COAL

Cascade	42	40	40	32	30	30	32	21	41	30	49	84	471
Crowsnest	44	41	40	15	45	69	21	14	68	185	177	105	824
Mountain Park .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	62	.....	62
Total	86	81	80	47	75	99	53	35	109	215	288	189	1,357

SLACK COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	299	235	274	212	269	119	122	562	215	329	210	285	304
Crownest	290	235	30	30	.....	32	32	.....	.....	1	2	4	3,122
Mountain Park	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	165
Total	623	235	304	243	269	151	154	562	215	330	216	289	3,591

Total amount of Domestic Coal disposed of by areas during each month for consumption in British Columbia:
LUMP COAL

Carbon	129	175	103	771	156	334	33	35	129	99	104	106	1,069
Drumheller	1,927	1,086	472	.....	96	.....	175	671	3,136	4,156	2,707	3,452	18,983
Edmonton	33	571	.....	.....	.....	.....	.....	34	34	36	35	.....	709
Lethbridge	1,349	1,111	951	216	428	175	705	513	3,127	3,417	2,151	2,460	16,603
Pembina	204	136	39	.....	.....	.....	.....	32	32	236	97	358	1,102
Taber .....	.....	68	.....	.....	.....	.....	.....	32	34	97	.....	.....	231
Total	3,642	3,147	1,565	987	680	509	913	1,285	6,458	8,041	5,094	6,376	38,697

MINE-RUN COAL

Carbon .....	.....	.....	.....	.....	.....	.....	.....	.....	42	.....	.....	.....	42
Drumheller	41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	41
Total	41	.....	.....	.....	.....	.....	.....	.....	42	.....	.....	.....	83

NUT COAL

Carbon	33	465	713	36	34	198	160	405	1,043	1,277	1,610	1,973	103
Drumheller	909	495	570	209	209	198	160	405	1,043	1,277	1,610	1,973	9,532
Edmonton	239	115	132	67	116	96	147	33	460	642	486	438	495
Lethbridge	398	65	509	64	...	...	...	...	461	335	380	555	2,971
Pembina .....	...	...	...	...	...	...	...	...	...	899	...	...	2,767
Redcliff .....	...	...	...	...	...	...	...	...	...	...	...	...	899
Total	1,579	1,140	1,354	737	359	294	307	438	1,964	3,153	2,476	2,966	16,767

SLACK COAL

Drumheller	32	986	530	...	54	...	...	...	93	92	187	13	1,974
Lethbridge .....	...	...	...	...	...	...	...	...	...	...	...	...	13
Total	32	986	530	...	54	...	...	...	93	92	187	13	1,987

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in British Columbia:

LUMP COAL

Coalspur	1,659	980	432	108	147	...	565	403	1,110	1,644	1,702	2,484	11,234
Prairie Creek	300	132	99	...	...	...	34	140	109	428	407	691	2,340
Saunders	62	...	...	...	...	...	...	...	129	63	62	32	348
Total	2,021	1,112	531	108	147	...	599	543	1,348	2,135	2,171	3,207	13,922

MINE-RUN COAL

Coalspur	33	...	...	...	...	65	63	99	100	33	...	...	360
Prairie Creek .....	...	...	...	...	...	...	...	...	...	...	...	...	33
Total	33	...	...	...	...	65	63	99	100	33	...	...	393

NUT COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	1,240	671	1,147	533	407	221	448	928	1,041	1,166	1,569	1,955	11,326
Prairie Creek	192	93	121	.....	.....	.....	33	156	185	225	169	310	1,484
Saunders .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	1,432	764	1,268	533	407	221	481	1,084	1,226	1,391	1,738	2,265	12,810

SLACK COAL

Coalspur	10	2	33	45
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Total amount of Bituminous Coal disposed of by areas during each month for consumption in British Columbia:

LUMP COAL

Cascade	172	.....	.....	.....	.....	.....	.....	.....	.....	18	33	.....	223
Crowsnest	33	.....	33	.....	.....	.....	48	.....	32	191	.....	45	382
Mountain Park ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	205	.....	33	.....	.....	.....	48	.....	32	209	33	45	605

MINE-RUN COAL

Cascade	34	.....	33	.....	33	.....	.....	34	.....	33	33	.....	200
Crowsnest	718	528	655	527	693	396	.....	49	430	218	153	97	4,464
Mountain Park ..	49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	49
Total	801	528	688	527	726	396	.....	83	430	251	186	97	4,713

NUT COAL

Cascade	540	2	.....	.....	.....	.....	32	269	87	45	87	77	1,139
Crowsnest .....	.....	42	.....	.....	.....	.....	.....	.....	45	72	78	33	270
Total	540	44	.....	.....	.....	.....	32	269	132	117	165	110	1,409

SLACK COAL

Cascade	2,411	2,029	16	3,220	2,439	3,417	3,036	1,849	1	33	3,740	3,329	4,173	50
Crowsnest .....	.....	.....	.....	.....	.....	.....	.....	937	2,584	2,944	.....	.....	.....	35,171
Mountain Park .....	.....	.....	.....	.....	.....	.....	.....	.....	49	.....	.....	.....	.....	986
Total	2,411	2,029	3,236	2,439	3,417	3,036	2,786	.....	2,634	2,977	3,740	3,329	4,173	36,207

Total amount of Domestic Coal disposed of by areas during each month for consumption in Saskatchewan:

LUMP COAL

Ardley	266	134	71	.....	240	.....	.....	.....	258	316	414	385	336	2,420
Camrose	230	299	119	.....	113	138	.....	.....	79	33	343	264	236	1,603
Carbon	862	726	278	21,193	6,034	5,040	35	270	563	1,550	1,513	737	442	7,227
Drumheller	65,788	31,466	.....	.....	34	403	4,683	2,870	19,690	66,301	72,351	54,576	59,632	409,624
Edmonton	930	257	95	34	2,318	667	1,268	294	533	999	1,132	1,115	326	7,386
Lethbridge	12,428	7,370	6,161	34	.....	.....	1,248	1,462	5,638	22,766	21,832	10,090	11,665	103,645
Pembina	32	520	925	199	.....	.....	34	.....	.....	299	859	296	64	3,029
Redcliff	760	480	420	100	100	209	.....	454	.....	2,472	1,497	785	933	7,580
Sheerness	475	288	208	34	200	.....	.....	.....	288	455	1,216	1,880	2,144	7,717
Taber .....	.....	34	32	108	200	.....	.....	40	241	372	368	231	238	1,844
Tofield	324	66	32	.....	.....	.....	.....	.....	.....	495	1,542	1,280	462	4,241
Total	82,095	41,640	29,534	8,840	6,788	7,477	5,390	.....	27,290	96,058	103,067	71,639	76,498	556,316

MINE-RUN COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Camrose ..	76	61	32	36	67	32	92	96	100	133	100	108	678
Drumheller ..	3,616	2,719	2,542	553	67	149	92	96	98	100	716	737	11,385
Edmonton ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lethbridge ..	..	..	681	..	..	..	..	190	250	686	378	666	2,851
Pembina ..	..	175	265	182	255	154	237	476	398	233	563	222	3,438
Redcliff ..	278	721	1,130	3,059	3,851	3,915	4,716	4,803	4,047	487	965	1,943	29,637
Sheerness ..	..	1,373	1,687	1,853	1,723	1,448	1,426	1,608	1,826	1,409	1,146	1,365	18,371
Totfield ..	1,507	..	..	..	..	..	..	..	..	..	..	..	..
Total	5,477	5,049	6,337	5,683	5,896	5,698	6,471	7,173	6,719	2,948	3,868	5,041	66,360

NUT COAL

Ardley	101	342	99	33	132	..	..	..	36	153	335	233	990
Camrose ..	164	342	343	71	33	..	..	66	298	197	389	236	1,857
Carbon	616	7,973	8,691	3,135	1,228	1,189	966	198	374	266	457	808	3,475
Drumheller ..	12,644	7,293	392	297	64	65	65	5,124	17,945	20,345	17,186	16,688	113,134
Edmonton ..	1,041	1,200	1,122	488	269	262	258	596	5,332	5,100	2,523	220	3,756
Lethbridge ..	2,151	1,120	1,678	..	..	..	..	..	337	5,100	2,523	2,517	21,828
Pembina ..	1,053	1,107	1,329	1,734	1,634	1,998	1,824	1,852	1,447	1,189	1,077	1,272	8,477
Redcliff ..	1,588	1,109	..	..	..	..	..	64	299	734	929	942	18,173
Sheerness ..	154	..	..	..	..	..	..	..	..	..	1,167	890	3,417
Total	19,512	12,922	14,254	5,778	3,360	3,514	3,113	7,997	26,864	29,713	24,274	23,806	175,107

SLACK COAL

Ardley	69	201	133	204	570	415	177	132	36	75	412	718
Carrose	268	317	429	501	178	275	225	466	237	321	37	3,942
Carbon	211	230	303	178	442	275	225	2,995	234	190	281	3,272
Drumheller	13,041	8,314	8,328	3,539	1,860	630	453	158	9,500	16,047	9,901	87,834
Edmonton	139	96	99	78	117	81	108	158	92	93	98	1,349
Lethbridge	1,104	1,061	1,352	193	248	194	206	147	328	1,003	909	50
Penbina	185	44	48	111	31	...	86	170	801	443	296	7,706
Redcliff .....	...	98	284	...	...	...	...	170	72	155	112	1,817
Sheerness .....	...	...	31	...	...	...	...	...	231	132	...	1,387
Torfield .....	...	...	...	...	...	...	...	...	...	...	...	394
Total	15,017	10,361	11,207	4,804	3,268	1,595	1,255	4,068	11,264	17,918	12,272	108,469

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Saskatchewan:

LUMP COAL

Coalspur	169	33	764	79	223	425	308	211	330	330	385	40	3,297
Prairie Creek	33	...	...	...	...	...	...	...	66	32	118	32	281
Saunders	480	...	...	...	...	...	...	...	621	975	313	311	2,700
Total	682	33	764	79	223	425	308	211	1,017	1,337	816	383	6,278

MINE-RUN COAL

Coalspur .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Fincher .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Prairie Creek	33	...	...	...	...	...	...	94	80	45	33	65	350
Saunders	34	...	...	...	...	...	...	...	...	33	32	...	99
Total .....	...	67	...	...	...	...	...	94	80	78	65	65	449

NUT COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	115	.....	.....	.....	.....	.....	60	.....	86	71	275	167	774
Prairie Creek	65	.....	.....	.....	.....	.....	60	.....	60	61	44	.....	230
Saunders	413	161	175	117	250	212	37	204	543	1,025	885	881	4,903
Total	593	161	175	117	250	212	97	204	689	1,157	1,204	1,048	5,907

SLACK COAL

Coalspur	55	47	.....	.....	.....	.....	.....	.....	.....	13	162	50	168
Saunders	223	106	98	.....	.....	.....	60	.....	110	423	181	.....	1,363
Total	281	153	98	.....	.....	.....	60	.....	110	436	162	231	1,531

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Saskatchewan:

LUMP COAL

Cascade	96	34	173	.....	.....	.....	35	.....	.....	68	.....	.....	233
Crownsnest	373	308	.....	34	.....	.....	34	225	438	425	277	584	2,837
Mountain Park	65	.....	.....	.....	.....	33	34	.....	.....	32	.....	.....	164
Total	534	342	173	34	.....	33	69	225	438	525	277	584	3,234

MINE-RUN COAL

Cascade	2,244	1,597	969	357	180	99	130	996	1,699	1,357	1,202	1,662	12,492
Crownsnest	165	.....	34	.....	.....	34	113	116	69	33	33	.....	630
Mountain Park .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nordegg .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	2,409	1,597	1,003	357	180	133	243	1,112	1,768	1,390	1,235	1,695	13,122

NUT COAL

Cascade	1	83	61	93	.....	.....	65	.....	36	.....	110	209	34	34	34	109	143	103
Crownest	105	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	273	.....	.....	.....	1,287
Mountain Park .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	106	83	61	93	.....	.....	65	.....	36	.....	110	243	307	143	143	.....	.....	1,390

SLACK COAL

Cascade	34	32	3,307	4,062	34	4,230	2,701	3,151	.....	3,546	4,253	33	3,689	45	47	295
Crownest	5,139	3,185	101	126	.....	92	34	.....	.....	.....	.....	.....	.....	3,775	4,257	45,365
Mountain Park	162	148	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	45	34	742
Nordegg	844	769	353	.....	.....	.....	.....	.....	.....	.....	.....	.....	32	.....	116	2,114
Total	6,179	4,134	3,761	4,222	4,322	2,735	3,151	.....	3,646	4,286	3,721	3,865	4,454	.....	.....	48,476

Total amount of Domestic Coal disposed of by areas during each month for consumption in Manitoba:

LUMP COAL

Ardley	36	689	595	225	.....	.....	108	45	.....	77	32	86	.....	826	1,051	1,181	276
Camrose	920	12,106	6,689	703	305	.....	656	476	.....	4,358	12,193	18,875	15,497	18,824	18,824	18,824	6,246
Carbon	16,644	66	63	.....	.....	.....	.....	.....	.....	32	95	324	324	324	324	324	107,326
Drumheller	547	377	224	366	1,733	1,111	705	.....	.....	1,106	1,244	1,157	743	776	776	776	1,921
Edmonton	1,027	133	709	31	31	.....	.....	.....	.....	62	209	257	271	417	417	417	10,569
Lethbridge	247	102	99	.....	.....	.....	.....	65	.....	.....	223	357	143	196	196	196	2,367
Pembina	102	60	35	.....	.....	.....	.....	.....	.....	.....	93	197	32	34	34	34	1,081
Redcliff	161	34	.....	.....	.....	.....	.....	.....	.....	.....	33	96	.....	33	33	33	426
Sheerness .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	352
Taber .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	195
Tofield .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	19,684	13,564	8,315	1,325	2,069	1,875	1,322	.....	5,750	14,627	22,088	18,180	21,960	.....	.....	.....	130,759

THE MINES BRANCH

MINE-RUN COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Drumheller	1,132	923	604	74	.....	.....	.....	.....	580	204	100	34	3,651
Lethbridge	544	32	.....	.....	506	.....	.....	196	133	.....	267	.....	1,678
Pembina .....	.....	32	.....	.....	.....	.....	.....	.....	35	.....	.....	32	99
Sheerness	3,439	2,354	1,815	1,534	2,083	835	297	992	1,148	1,732	2,526	3,244	21,999
Tofield .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	5,115	3,341	2,419	1,608	2,589	835	297	1,188	1,896	1,936	2,893	3,310	27,427

NUT COAL

Ardley .....	.....	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	34
Canrose .....	.....	201	98	.....	.....	.....	.....	.....	473	525	168	527	33
Carbon	506	1,677	852	185	131	173	78	971	3,427	4,334	3,915	3,436	2,498
Drumheller	2,865	.....	.....	.....	663	165	34	.....	63	96	63	16	21,944
Edmonton .....	.....	10	.....	.....	.....	.....	.....	.....	81	84	65	33	1,100
Lethbridge	174	233	194	.....	.....	.....	30	.....	460	175	448	379	447
Pembina	279	32	.....	.....	.....	.....	.....	.....	.....	.....	.....	195	2,198
Sheerness	44	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	271
Total	3,868	2,186	1,144	185	794	338	142	905	4,504	5,214	4,659	4,586	28,525

SLACK COAL

Carbon	148	1,800	2,133	338	78	129	.....	225	1,595	2,312	3,310	311	459
Drumheller	2,701	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,421	18,042
Total	2,849	1,900	2,133	338	78	129	.....	225	1,595	2,312	3,310	3,732	18,501

Total amount of Sub-Bituminous Coal disposed of by areas during each month for consumption in Manitoba:

LUMP COAL

Coalspur	3,014	1,689	467	301	387	41	851	1,704	2,612	2,082	3,149	3,517	19,814
Prairie Creek	245	33						255	590	672	266	269	2,330
Saunders	1,115	338	164	34	136	61	54	150	352	1,055	663	837	5,199
Total	4,374	2,060	631	335	523	102	905	2,109	3,794	3,809	4,078	4,623	27,343

MINE-RUN COAL

Coalspur													34
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NUT COAL

Coalspur	6,027	3,600	2,811	3,870	913	451	111	274	1,846	3,754	3,051	3,399	30,087
Prairie Creek	65									80	154	69	368
Saunders	422	198	262	73	30	33	37		240	359	67	275	1,996
Total	6,514	3,798	3,073	3,943	943	484	148	274	2,086	4,173	3,272	3,743	32,451

SLACK COAL

Coalspur	1,049	701	1,303	78			295	568	477	942	1,024	818	7,255
Prairie Creek	840	211	210							49	78	32	1,520
Saunders	428	177	271						150	640	312	400	2,378
Total	2,317	1,089	1,884	78			295	568	627	1,631	1,414	1,250	11,153

Total amount of Bituminous Coal disposed of by areas during each month for consumption in Manitoba:

LUMP COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	130	.....	44	74	134	34	94	67	282	33	10	48	87
Crownsnest	1,009	68	33	.....	80	.....	46	613	.....	47	152	.....	1,095
Mountain Park .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	33	.....	.....	1,849
Total	1,139	68	77	74	214	34	140	680	282	113	162	48	3,031

MINE RUN COAL

Cascade	909	580	275	.....	.....	137	227	466	571	650	624	452	4,891
Crownsnest	211	750	468	83	113	.....	.....	578	601	496	894	972	5,166
Mountain Park .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Nordegg .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	1,120	1,330	743	83	113	137	227	1,044	1,172	1,146	1,518	1,424	10,057

NUT COAL

Cascade	35	560	372	123	155	34	34	367	221	230	479	903	3,478
Crownsnest .....	.....	143	38	.....	.....	223	201	140	363	289	110	190	1,732
Mountain Park .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total	35	703	410	123	155	257	235	507	584	519	589	1,093	5,210

SLACK COAL

Cascade	8,360	389	347	140	270	45	124	347	43	272	790	668	3,435
Crownsnest	9,279	4,505	5,274	2,139	957	1,950	1,216	2,126	845	3,054	3,195	4,039	37,660
Mountain Park .....	.....	4,814	3,916	3,320	3,552	3,717	1,513	4,222	3,560	4,375	5,255	8,023	55,546
Total	17,639	9,708	9,537	5,599	4,779	5,712	2,853	6,695	4,448	7,701	9,240	12,730	96,641

Total amount of Domestic Coal disposed of by areas during each month for consumption in Ontario

LUMP COAL

Carbon	2,446	2,584	774	126	32	94	68	391	2,570	5,231	33	44	77
Drumheller	111	64	69	...	...	304	245	...	107	100	98	134	25,529
Edmonton	95	...	...	...	...	...	...	...	96	174	42	32	32
Lethbridge	...	...	...	...	...	...	...	...	...	...	...	...	1,232
Pembina	...	...	...	...	...	...	...	...	...	...	...	...	439
Total	2,652	2,648	843	126	32	398	313	391	2,805	5,505	6,164	5,432	27,309

NUT COAL

Carbon	505	732	305	62	31	64	31	96	251	708	32	973	32
Drumheller	...	...	...	...	...	...	...	...	41	...	...	32	4,522
Edmonton	...	...	11	...	...	...	...	...	32	...	...	32	73
Lethbridge	33	63	31	...	...	...	...	...	...	...	32	...	11
Pembina	...	...	...	...	...	...	...	...	...	...	...	...	223
Total	538	795	347	62	31	64	31	96	324	708	828	1,037	4,861

SLACK COAL

Drumheller	33	33
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Total amount of Sub-Bituminous Coal disposed of by area during each month for consumption in Ontario:

LUMP COAL

Coalspur	942	1,023	262	...	...	...	40	440	1,219	2,199	2,002	2,141	10,268
Prairie Creek	...	30	...	...	...	...	...	66	163	298	258	96	911
Saunders	1,032	674	436	...	...	...	31	156	468	1,068	602	838	5,305
Total	1,974	1,727	698	...	...	...	71	662	1,850	3,565	2,862	3,075	16,484

MINE-RUN COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Saunders										33			33

NUT COAL

Coalspur	359	230	182					169	271	525	402	412	2,674
Saunders	154	295	102			123			67	127	131	195	1,071
Total	513	525	284			123		169	338	653	533	607	3,745

SLACK COAL

Coalspur	12								1	31		50	94
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Total amount of Bituminous Coal disposed of by areas during each month for consumption in Ontario:

LUMP COAL

Cascade									34				34
Crowsnest		34											34
Total		34							34				68

MINE-RUN COAL

Crowsnest									81	34			115
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NUT COAL

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Drumheller	336	105	32	62	890	32	157	1,614
Lethbridge	323	134	98	...	...	...	...	33	74	745	99	368	1,874
Taber .....	...	68	...	...	...	...	...	...	...	67	...	...	133
Total	659	307	98	65	136	1,702	131	525	3,623

SLACK COAL

Drumheller	96	32	31	...	159
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Total amount of Bituminous Coal disposed of by areas during each month for consumption in United States:

LUMP COAL

Crowsnest	49	...	112	161
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MINE-RUN COAL

Crowsnest	47	47
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NUT COAL

Crowsnest	241	...	143	384
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SLACK COAL

Crowsnest	97	196	196	101	296	145	48	94	250	1,846	97	188	3,554
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Amount of Domestic Coal used under Colliery Boilers by areas during each month:

	140	90	90	57	50	25	15	71	115	155	150	142	1,100
Ardley .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Brooks	79	50	50	35	15	15	35	35	50	45	88	67	564
Canrose	40	30	25	20	16	6	8	18	30	40	50	60	343
Carbon	14	10	10	...	...	...	...	...	...	12	13	14	73
Castor	2,042	1,772	1,385	650	600	734	458	1,008	1,720	1,935	1,935	2,035	16,300
Drunneller	1,381	880	548	548	458	465	332	448	766	945	1,064	1,241	9,366
Edmonton	3,397	2,898	2,793	1,642	1,682	1,542	1,688	1,760	2,456	2,523	2,569	2,635	27,075
Lethbridge	1,076	839	1,045	38	53	51	81	110	1,003	1,052	930	876	7,214
Pembina	93	48	...	65	20	10	25	...	...	249	...	...	557
Sheerness	40	...	...	...	...	...	...	...	...	...	...	...	40
Rochester .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Redcliff .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Taber .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Torfield	150	150	150	150	150	150	150	150	150	150	150	160	1,810
Total	8,454	6,287	6,423	3,263	3,044	2,998	2,772	3,600	6,290	7,132	6,949	7,230	64,442

Amount of Sub-Bituminous Coal used under Colliery Boilers by areas during each month:

	2,140	1,746	1,727	1,644	1,518	1,121	1,980	1,166	1,170	1,871	1,886	1,926	19,895
Coalspur .....	...	...	...	...	...	...	...	3	15	...	8	10	36
Pekisko .....	...	...	5	...	...	...	...	...	15	...	10	10	57
Pincher	409	423	370	330	285	335	420	450	446	342	343	360	4,513
Prairie Creek	621	334	362	95	118	113	132	133	412	640	488	469	3,857
Saunders .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	3,170	2,503	2,404	2,074	1,923	1,569	2,532	1,752	2,058	2,863	2,735	2,775	28,358

Amount of Bituminous Coal used under Colliery Boilers by areas during each month:

	1,661	1,291	1,487	1,201	1,301	1,238	1,336	1,240	1,167	1,594	1,378	1,438	16,332
Cascade	2,458	2,517	3,189	2,234	2,118	2,278	2,436	2,530	2,390	2,965	2,724	3,130	30,969
Crowsnest	2,941	2,253	2,662	2,349	2,576	2,093	2,037	2,020	2,213	2,293	2,497	2,894	28,828
Mountain Park	668	559	608	523	439	428	446	457	465	556	575	610	6,334
Nordegg .....	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	7,728	6,620	7,946	6,307	6,434	6,037	6,255	6,247	6,235	7,408	7,174	8,072	82,463
Grand Total	19,352	15,410	16,773	11,644	11,401	10,604	11,559	11,599	14,583	17,403	16,858	18,077	175,263

Amount of Domestic Coal used by Colliery Railroads by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Lethbridge	8	5	4	3	3	3	2	3	.....	20	14	20	85
Pembina	55	25	50	.....	.....	.....	.....	.....	50	50	50	45	325
Redcliff	94	51	63	16	12	12	.....	.....	267	272	72	74	933
Total	157	81	117	19	15	15	2	3	317	342	136	139	1,343

Amount of Sub-Bituminous Coal used by Colliery Railroads by areas during each month:

Coalspur	453	412	334	356	325	140	733	180	180	520	546	574	4,753
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Amount of Bituminous Coal used by Colliery Railroads by areas during each month:

Cascade	35	24	33	24	39	30	48	48	27	30	33	33	404
Crowsnest	43	40	42	47	65	52	69	62	35	48	40	45	588
Total	78	64	75	71	104	82	117	110	62	78	73	78	992

Amount of Bituminous Coal used making Briquettes:

Cascade	1,871	1,464	1,369	449	205	151	635	1,231	1,660	1,764	1,742	2,224	14,765
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Amount of Bituminous Coal used making Coke:

Crowsnest	7,421	6,679	7,688	7,413	7,667	7,381	8,072	8,000	7,736	8,025	7,227	8,436	91,745
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Amount of Domestic Coal Put to Stock by areas during each month:

	75	50	55	50	100	150	163	297	35	375
Ardley	60	50	176	...	...	...	163	...	35	60
Camrose	47	6	...	...	...	...	10	15	13	823
Carbon	7	...	...	...	...	...	...	...	...	80
Castor	225	280	95	7	...	...	370	163	165	2,111
Drumheller	390	88	30	60	101	280	246	547	440	1,776
Edmonton .....	...	...	...	...	...	...	...	...	...	63
Halcourt	1,793	526	511	294	562	172	2,428	1,844	1,417	11,829
Lethbridge .....	...	...	...	...	...	...	...	...	...	25
Magrath .....	...	...	25	...	...	...	...	...	...	88
Pakowki	495	329	539	...	80	275	570	550	285	3,043
Pembina .....	...	...	...	...	...	...	...	...	...	25
Rockester .....	...	...	...	...	...	...	127	5	25	136
Sheerness .....	...	...	...	...	...	...	70	52	6	139
Taber .....	...	...	...	...	...	...	...	9	...	55
No Area .....	...	46	...	...	...	...	...	...	...	...
Total	3,092	1,325	1,296	638	404	169	767	3,484	2,390	20,628

Amount of Sub-Bituminous Coal Put to Stock by areas during each month:

Coalspur	3,581	214	25							3,820
Pekisko	5									5
Pincher		17	21	8						46
Prairie Creek	62	38							20	40
Saunders				31				51	236	318
Total	3,643	43	231	46	39			51	236	4,349

Amount of Bituminous Coal Put to Stock by areas during each month:

	506	1,981	1,021	399	1,007	831	400	847	980	7,733
Cascade	2,350	...	251	1,674	515	3,745	1,225	2,095	715	20,437
Crowsnest .....	...	...	...	...	...	...	...	...	...	...
Total	2,856	1,981	1,272	2,073	1,522	4,576	1,625	2,942	1,695	28,170
Grand Total	9,591	3,349	2,799	2,757	1,965	4,745	2,392	3,502	4,265	53,147

Amount of Domestic Coal Put to Waste by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	22	11	14	11	12	25	...	1	16	4	30	23	59
Big Valley	...	...	...	...	...	...	...	...	...	12	23	...	145
Brooks	301	22	2	...	...	...	...	...	3	60	878	72	1,338
Camrose	44	19	27	181	9	8	5	8	747	60	505	112	2,335
Carbon	276	84	45	66	19	22	5	27	87	239	263	173	1,306
Castor	74	71	62	44	53	28	40	54	117	129	176	107	955
Champion	50	30	...	...	...	...	...	...	...	...	...	...	80
Drumheller	275	54	2	12	4	...	...	...	21	70	132	164	734
Edmonton	...	...	...	...	...	...	...	...	...	...	...	10	10
Gleichen	4	4	1	...	...	...	...	5	...	...	...	...	14
Halcourt	438	228	201	45	28	43	113	122	453	160	165	118	2,114
Lethbridge	...	...	...	...	...	...	...	...	18	...	...	...	...
Magrath	6	6	4	4	3	1	4	4	20	46	25	3	121
Milk River	23	50	19	11	3	4	3	3	13	100	18	6	235
Pakowki	461	281	442	...	...	...	...	...	385	515	481	509	3,074
Pembina	214	151	110	169	309	5	12	66	266	183	909	383	2,777
Sheerness	173	126	123	72	38	32	39	62	223	425	180	146	1,639
Taber	...	...	...	...	...	...	...	...	100	243	92	41	476
Tofield	...	...	...	...	...	...	...	...	...	2	...	6	8
No Area	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	2,361	1,137	1,052	615	481	168	221	352	2,471	2,858	3,877	1,873	17,466

Amount of Sub-Bituminous Coal Put to Waste by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Coalspur	7,600	9,214	8,541	8,361	5,438	4,059	4,471	45	3,688	10,359	5,842	5,986	73,604
Pekisko	173	109	...	...	...	...	4	...	...	...	...	...	286
Picher	20	7	4	2	...	...	65	...	75	115	80	55	423
Prairie Creek	...	...	...	...	...	...	...	...	...	...	...	...	...
Total	7,793	9,330	8,545	8,363	5,438	4,059	4,540	45	3,763	10,474	5,922	6,041	74,313

Amount of Bituminous Coal Put to Waste by areas during each month:

Cascade	30	919	10	1,587	2,082	2,226	1,535	1,646	10	2,536	1,621	994	963
Crowsnest	1,854	1,131	2,395	1,587	2,082	2,226	1,535	1,646	251	2,536	1,621	994	19,908
Total	1,884	2,050	2,405	1,587	2,082	2,226	1,585	1,646	261	2,536	1,621	994	20,877

Amount of Domestic Coal Lifted from Stock by areas during each month:

Ardley	66	206	3	101	358	273	111	...	...	...	...	...	376
Canrose .....	...	114	114	292	231	246	91	...	...	...	...	...	1,262
Carbon	210	122	426	231	246	91	...	...	...	...	...	...	1,786
Drumheller	160	225	280	757	30	127	50	38	280	290	163	297	1,786
Edmonton	66	71	103	350	334	343	243	487	30	14	220	165	2,622
Haicourt	15	...	...	...	2	...	...	...	...	...	50	72	2,163
Lethbridge	1,830	2,080	1,537	505	511	294	394	1,173	172	647	32	49	...
Pembina	647	495	323	227	...	1	3	61	247	275	1,658	2,182	12,983
Taber .....	...	20	...	...	...	7	...	...	...	...	570	550	3,399
Total	2,994	3,333	2,786	2,463	1,481	1,136	801	1,759	729	1,226	2,693	3,266	24,667

Amount of Sub-Bituminous Coal Lifted from Stock by areas during each month:

Coalspur .....	...	...	...	64	265	50	160	...	...	...	...	...	539
Pekisko .....	...	10	...	...	...	...	...	19	...	...	...	...	29
Pincher .....	...	...	...	...	5	...	...	...	...	...	...	...	5
Prairie Creek .....	...	...	...	60	15	...	...	...	...	25	...	...	100
Saunders .....	...	...	...	...	...	...	...	...	...	51	236	...	287
Total .....	...	...	10	124	285	50	160	19	...	76	236	...	960

Amount of Bituminous Coal Lifted from Stock by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Cascade	379	506	899	1,021	389	897	821	394	841	980	700	620	8,537
Crowsnest	720	590	919	1,433	3,739	353	1,585	746	3,724	572	1,665	1,982	18,028
Total	1,099	1,096	1,808	2,454	4,128	1,350	2,406	1,140	4,565	1,552	2,365	2,602	26,565

Amount of Domestic Coal Lifted from Waste by areas during each month:

Camrose	410	624	78	60	34	...	...	...	...	...	...	100	1,306
Carbon .....	...	...	1,205	...	...	...	...	...	...	...	...	488	1,699
Drumheller .....	...	100	242	...	...	...	...	139	...	15	...	...	242
Sheerness .....	...	30	28	...	...	...	...	...	...	...	10	...	264
Taber .....	...	...	...	...	...	...	...	...	...	231	165	...	58
Tofield .....	...	...	...	...	...	...	...	...	...	...	...	...	396
Total	410	754	1,553	60	34	...	...	139	...	246	181	588	3,965

Amount of Sub-Bituminous Coal Lifted from Waste by areas during each month:

Pekisko	3	3
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Amount of Bituminous Coal Lifted from Waste by areas during each month:

Crowsnest	132	73	54	43	19	8	17	17	42	26	45	54	530
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OUTPUT AND NUMBER OF MINES PRODUCING

Kind of Coal	Under 1,000 tons		1,000 to 5,000 tons		5,000 to 10,000 tons		10,000 to 50,000 tons		50,000 to 100,000 tons		100,000 to 150,000 tons		150,000 to 200,000 tons		Over 200,000 tons		Total	
	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output	No.	Output
Domestic	159	59,382	65	137,597	13	89,276	34	939,451	12	795,955	2	273,905	1	163,106	...	...	285	2,295,566
Sub-Bituminous	8	3,686	1	11,004	...	...	6	114,621	2	116,177	1	138,948	5	880,826	2	571,375	19	537,542
Bituminous	3	506	2	3,742	...	...	...	...	1	59,184	3	400,107	...	...	...	...	16	1,915,740
Total	170	63,594	68	142,343	13	89,276	40	1,054,072	15	971,316	6	812,960	6	1,043,932	2	571,375	320	4,748,848

THE MINES BRANCH

Number of men employed in the DOMESTIC FIELD as at December 31, 1934:

	UNDERGROUND										ABOVE GROUND										TOTAL					
	Officials	Hand Cutters	Machine Cutters & Helpers	Machine Loaders	Chute Loaders	Horse H'ge Employees	Mechanical H'ge Emp's	Ventilation Employees	Road Makers	Timber Men	Pump Men	Other Employees	Total Underground	Admin's- tration	Foreman and Clerks	Screenmen and Loaders	Engine Men	Firemen	Machinists	Carpenters and Masons		Other Mechanics	Surface Haulage	All Other Employees	Total Above Ground	
Ardley	11	23	4	19		2					1	3	63	1	1	4	2	1			1		1	2	12	75
Big Valley	4	2	2	1									9						1					1	10	
Brooks	1	6											7	1	3									6	13	
Camrose	6	64											80	3	2									26	106	
Carbon	15	12	12	109		6	2			1	1	1	175	3	5	9	2				1			12	38	213
Castor	32	72											105	3	1	1	2								14	119
Champion	11	49				1							61	1			3							1	9	70
Drumheller	98	49	207	1,337		204	49	15	71	36	5	52	2,123	17	8	200	21	10	20	5	12	9	99	447	2,570	
Edmonton	45	284	148	300		59	10	3	23	44	8	53	977	22	49	26	5	3	6	2	7	44	172	4	1	1,149
Gleichen	4	6	2	5		1							21	1	1	1	1								4	25
Halcourt	5	22				85	44	17	9	26	5	8	831	5	22	62	20	11	6	2	11		67	211	1,042	
Lethbridge	38	47	143	409									7												8	
Magrath	3	4											10	1	1	1							1	1	3	13
Milk River	2	8											11			1							1	1	2	13
Pakowki	6	5	2	19									64	1	5	18	6	2	2	1	1	1	15	2	51	115
Pembina	6	26				3	6					1	54			9			1				2	14	68	
Redcliff	3	1	6	34		6		1	1			3	2	2									3	5	7	
Rochester	1												16	2		9	4	1	1	1	1	1	3	30	56	72
Sheerness	7	9	4	20									45	6	1	4	3						2	3	16	61
Taber	10	9				2							11	2	6	22	3						26	62	73	
Tofield	2	8				1							7			1							1	1	3	10
No Area	1	6																								
Total	311	712	530	2,253		390	111	36	107	103	21	133	4,712	56	138	402	98	30	32	17	29	37	315	1,154	5,866	

Number of men employed in the SUB-BITUMINOUS FIELD as at December 31, 1934:

	UNDERGROUND										ABOVE GROUND										TOTAL				
	Officials	Hand Cutters	Machine Cutters & Helpers	Machine Loaders	Chute Loaders	Horse H'ige Employees	Mechanical H'ige Emp's	Ventilation Employees	Road Makers	Timber Men	Pump Men	Other Employees	Total Underground	Adminis- tration	Foreman and Clerks	Screenmen and Loaders	Engine Men	Firemen	Machinists	Carpenters and Masons		Other Mechanics	Surface Haulage	All Other Employees	Total Above Ground
Coalspur	11	112	14	32	8	18	3	..	..	12	2	..	212	10	22	57	22	16	8	5	11	15	127	293	505
Pekisko	4	7	..	..	..	..	..	..	..	..	..	..	11	..	..	..	2	..	..	..	..	..	3	14	
Fincher	3	5	..	..	..	..	..	..	..	..	..	..	8	1	1	..	1	..	..	..	..	..	3	11	
Prairie Creek	4	48	2	14	2	7	3	1	2	4	..	..	95	1	5	20	5	4	..	3	5	3	6	52	147
Saunders	4	18	10	46	..	3	7	..	2	2	..	..	95	2	2	14	4	5	1	1	..	1	2	32	127
Total	26	190	26	92	10	28	13	1	4	18	2	11	421	14	30	91	34	25	9	9	17	19	135	383	804

BITUMINOUS FIELD																									
Cascade	12	110	..	..	..	12	31	3	6	6	2	11	193	1	8	33	7	10	4	1	1	..	10	75	268
Crownest	77	698	..	8	93	44	105	14	20	68	11	163	1,298	11	44	113	24	22	15	11	39	32	119	430	1,728
Mountain Park	18	253	21	..	28	27	36	17	6	47	6	33	492	2	19	70	15	21	11	5	12	27	63	245	737
Nordeg	7	109	..	..	..	21	9	1	14	10	1	..	172	2	13	13	3	3	2	2	5	2	35	80	252
Total	114	1,170	21	8	121	104	178	35	46	131	20	207	2,155	16	84	229	49	56	32	19	57	61	227	830	2,985

SUMMARY																									
Domestic	311	712	530	2,253	..	390	111	36	107	108	21	133	4,712	56	138	402	98	30	32	17	29	37	315	1,154	5,868
Sub-Bituminous	26	190	26	92	10	28	13	1	4	18	2	11	421	14	30	91	34	25	9	9	17	19	135	383	804
Bituminous	114	1,170	21	8	121	104	178	35	46	131	20	207	2,155	16	84	229	49	56	32	19	57	61	227	830	2,985
Total	451	2,072	577	2,353	131	522	302	72	257	157	43	351	7,288	86	252	722	181	111	73	45	103	117	677	2,367	9,655

THE MINES BRANCH

Men employed above and below ground in the DOMESTIC FIELD by areas each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Monthly Average
Ardley	70	47	40	37	29	25	24	35	55	61	70	76	47
Big Valley	11	11	11	9	7	2	2	2	8	10	10	10	11
Brooks	13	13	9	7	6	9	10	10	17	20	20	13	12
Camrose	99	84	67	49	42	40	43	45	65	76	108	106	69
Carbon	240	212	196	170	149	142	140	141	180	210	220	213	184
Castor	130	88	80	41	25	24	24	27	78	127	133	119	75
Champion	81	77	68	52	43	38	41	45	67	75	78	70	61
Drumheller	2,324	1,967	1,767	1,034	761	719	615	1,437	2,353	2,550	2,554	2,570	1,721
Edmonton	1,134	896	778	533	405	387	359	446	766	983	1,091	1,119	744
Gleichen	19	15	15	8	7	8	9	7	26	29	27	25	16
Hatfield	26	26	14	3	4	3	1	14	13	19	28	34	16
Letbridge	1,195	1,088	952	869	795	795	832	925	1,012	1,011	1,038	1,042	963
Magnan	8	8	8	6	6	3	5	8	8	8	8	8	7
Milk River	15	12	12	8	8	8	9	15	18	30	16	13	14
Pakowki	16	14	11	11	10	10	10	12	18	16	18	13	13
Pembina	122	120	120	51	50	44	44	57	111	112	114	113	89
Redcliff	60	58	53	53	47	48	48	53	73	70	68	68	58
Rochester	14	6	...	...	...	...	...	...	...	...	4	7	8
Sheerness	79	75	64	58	45	47	47	52	74	98	97	72	67
Tabor	52	54	47	25	33	20	31	39	39	67	64	61	46
Tofield	56	51	49	45	66	62	34	50	55	67	74	73	57
Wetaskiwin	2	2	2	2	...	...	...	...	...	...	...	...	2
No Area	9	7	8	...	...	...	...	...	...	11	11	10	9
Total	5,776	4,932	4,369	3,071	2,538	2,434	2,338	3,427	5,059	5,650	5,890	5,867	4,289

Men employed above and below ground in the SUB-BITUMINOUS FIELD by areas each month:

Coalspur	481	435	390	346	317	329	320	289	430	484	502	505	402
Pekisko	11	16	15	8	8	8	7	13	16	6	13	14	11
Pincher Creek	11	11	10	5	4	4	4	4	5	12	12	11	8
Prairie Creek	185	160	161	126	92	97	111	121	135	145	149	147	136
Saunders	128	102	95	30	35	27	32	39	125	127	126	127	83
Total	816	724	671	515	456	465	474	466	711	774	802	804	640

Men employed above and below ground in the BITUMINOUS FIELD by areas each month:

Cascade	283	283	283	284	283	284	290	292	293	289	266	268	283
Crowsnest	1,615	1,616	1,641	1,693	1,702	1,697	1,718	1,725	1,716	1,728	1,739	1,728	1,693
Mountain Park	752	764	749	707	672	675	663	665	705	730	742	737	713
Nordegg	254	253	250	239	237	239	237	237	238	252	249	252	245
Total	2,904	2,916	2,923	2,923	2,894	2,895	2,908	2,919	2,952	2,999	2,996	2,985	2,934

Men employed above and below ground in the DOMESTIC, SUB-BITUMINOUS AND BITUMINOUS FIELDS by areas each month:

Domestic	5,776	4,932	4,369	3,071	2,538	2,434	2,338	3,427	5,059	5,650	5,890	5,867	4,289
Sub-Bituminous	816	724	671	515	456	465	474	466	711	774	802	804	640
Bituminous	2,904	2,916	2,923	2,923	2,894	2,895	2,908	2,919	2,952	2,999	2,996	2,985	2,934
Total	9,496	8,572	7,963	6,509	5,888	5,794	5,720	6,812	8,722	9,423	9,688	9,656	7,863

THE MINES BRANCH

PER CAPITA PRODUCTION OF MINES IN THE PROVINCE.

Year	Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
1906	1,385,000	2,800	494	2,000	692
1907	1,834,745	3,600	509	2,700	679
1908	1,845,000	3,780	488	2,681	688
1909	2,174,329	5,207	417	3,893	566
1910	3,036,757	5,818	504	4,090	742
1911	1,694,564	6,689	253	4,517	375
1912	3,446,349	6,661	517	4,861	708
1913	4,306,346	8,068	533	5,837	737
1914	3,821,739	8,170	467	6,052	631
1915	3,434,891	6,445	532	4,493	764
1916	4,648,604	7,570	614	5,536	839
1917	4,863,414	8,310	595	6,047	804
1918	6,148,620	8,818	697	6,141	1,001
1919	5,022,412	7,573	663	5,150	958
1920	6,908,923	9,688	712	6,551	1,055
1921	5,937,195	10,018	592	7,203	824
1922	5,976,432	8,757	683	6,154	971
1923	6,866,923	9,927	687	7,249	893
1924	5,202,713	7,317	711	5,299	982
1925	5,883,394	8,774	670	6,498	834
1926	6,508,908	8,763	743	6,569	991
1927	6,936,780	9,016	768	6,681	970
1928	7,334,179	9,496	772	6,625	1,107
1929	7,147,250	9,572	747	7,115	1,004
1930	5,755,911	8,889	648	6,607	871
1931	4,563,309	8,070	577	5,969	701
1932	4,867,984	7,837	621	5,772	844
1933	4,714,784	8,042	586	5,937	794
1934	4,748,848	7,863	604	5,809	744

PER CAPITA PRODUCTION OF MINES IN THE DOMESTIC COAL FIELD.

1910	878,011	2,307	380	1,676	524
1911	964,700	3,548	271	2,488	391
1912	1,341,389	2,980	450	2,283	587
1913	1,763,225	4,017	438	2,929	601
1914	1,697,401	4,219	402	3,190	532
1915	1,682,922	3,181	529	2,210	761
1916	2,172,801	4,132	525	3,137	692
1917	2,537,829	4,701	539	3,489	727
1918	3,035,061	4,896	619	3,420	887
1919	2,611,009	4,226	617	2,953	884
1920	3,359,308	5,173	647	3,723	902
1921	2,943,141	5,601	525	4,256	691
1922	3,086,669	4,981	620	3,752	823
1923	3,161,741	4,969	636	3,765	812
1924	3,096,660	4,543	681	3,447	898
1925	3,156,359	4,874	647	3,750	808
1926	3,160,029	4,798	658	3,714	816
1927	3,357,171	4,663	720	3,603	891
1928	3,378,200	4,810	702	3,700	873
1929	3,385,749	4,944	685	3,813	880
1930	2,874,090	4,822	596	3,756	765
1931	2,245,563	4,400	510	3,419	628
1932	2,574,785	4,548	566	3,539	728
1933	2,434,047	4,480	543	3,487	698
1934	2,295,566	4,289	535	3,370	644

PER CAPITA PRODUCTION OF MINES IN THE SUB-BITUMINOUS COAL FIELD.

Year		Gross tons of coal mined	Total average No. of men employed	Tons of coal mined per man employed	Average No. of men employed under-ground	Tons of coal mined per man employed under-ground
1922	Stp. Pit	367,514	217	1,692		
	B. Grd.	179,550	403	445	277	648
1923	Stp. Pit	288,467	190	1,513		
	B. Grd.	174,994	354	494	260	673
1924	Stp. Pit	369,724	211	1,752		
	B. Grd.	222,222	393	565	278	799
1925	Stp. Pit	335,993	162	2,074		
	B. Grd.	245,842	461	533	326	754
1926	Stp. Pit	258,964	147	1,761		
	B. Grd.	231,407	443	545	305	758
1927	Stp. Pit	304,584	193	1,583		
	B. Grd.	290,606	478	608	321	905
1928	Stp. Pit	394,682	179	2,205		
	B. Grd.	345,810	645	536	457	756
1929	Stp. Pit	319,764	163	1,962		
	B. Grd.	348,344	585	595	402	866
1930	Stp. Pit	304,144	157	1,937		
	B. Grd.	299,187	569	526	390	767
1931	Stp. Pit	280,251	161	1,803		
	B. Grd.	191,138	486	393	336	569
1932	Stp. Pit	348,266	177	1,868		
	B. Grd.	211,213	491	430	341	619
1933	Stp. Pit	309,365	170	1,820		
	B. Grd.	244,776	516	474	370	661
1934	Stp. Pit	302,054	153	1,912		
	B. Grd.	235,488	482	489	326	722

PER CAPITA PRODUCTION OF MINES IN THE BITUMINOUS COAL FIELD.

1910	1,896,961	2,981	636	2,076	914
1911	649,745	2,645	246	1,820	357
1912	1,926,371	3,243	594	2,353	818
1913	2,374,401	3,562	666	2,645	897
1914	1,953,367	3,529	553	2,632	742
1915	1,626,237	2,921	557	2,103	773
1916	2,335,259	3,142	743	2,258	1,034
1917	2,206,868	3,335	661	2,429	909
1918	2,982,334	3,636	820	2,597	1,109
1919	2,325,787	3,118	745	2,100	1,108
1920	3,410,021	4,228	809	2,711	1,202
1921	2,897,580	4,133	701	2,820	1,026
1922	2,214,273	3,034	729	2,084	1,062
1923	3,241,614	4,345	746	3,215	1,008
1924	1,515,107	2,171	698	1,574	966
1925	2,145,200	3,277	654	2,422	885
1926	2,858,508	3,375	847	2,550	1,121
1927	2,984,419	3,682	810	2,757	1,082
1928	3,215,481	3,862	832	2,468	1,302
1929	3,093,393	3,880	797	2,898	1,077
1930	2,278,490	3,341	682	2,461	926
1931	1,846,357	3,023	611	2,214	834
1932	1,733,720	2,621	660	1,892	916
1933	1,726,596	2,876	600	2,080	830
1934	1,915,740	2,934	653	2,113	907

PER CAPITA PRODUCTION OF MINES IN THE ANTHRACITE COAL FIELD.

1910	261,785	530	493	338	774
1911	80,119	500	160	209	383
1912	178,589	438	407	225	793
1913	168,720	489	345	263	641
1914	170,971	422	405	230	743
1915	125,732	343	366	180	698
1916	140,544	296	474	141	996
1917	118,717	284	418	129	920
1918	131,225	286	458	124	1,058
1919	85,616	229	374	95	901
1920	130,594	287	455	117	1,116
1921	96,674	284	341	127	761
1922	40,417	112	361	41	986
1923	107	69	1	9	12

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NOTE: The table showing the number of men employed in the Anthracite Coal Field includes employees at the briquetting plant. There has been no anthracite coal produced since 1923.

During the year 1909 a strike affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1911 a strike, affecting all the larger mines in the Province, lasted for a period of eight months.

During the year 1917 a strike, affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1919 a strike, affecting all the larger mines in the Province, lasted for a period of three months.

During the year 1922 a strike, affecting all the larger mines in the Province, lasted for a period of five months.

During the year 1924 a strike, affecting all the larger mines in the Province, lasted for a period of six and one-half months.

NOTE: Calculating the total per capita production for men employed underground, the tonnage mined from stripping pits was deducted and only the tonnage produced from mines was used.

It will also be noted that the tonnages used in the above and following tables do not include tonnage extracted under permit.

Per Capita Production of Mines by areas:

DOMESTIC COAL FIELD

Areas	Gross tons of coal mined	Total Average No. of men employed	Tons of coal mined per man employed	Average No. of men employed underground	Tons of coal mined per man employed underground
Ardley	21,549	47	458	37	582
Big Valley	2,056	11	187	7	294
Brooks	7,423	12	619	4	1,856
Camrose	39,435	69	570	53	744
Carbon	87,856	184	477	152	578
Castor	31,450	75	406	66	476
Champion	19,422	61	318	54	360
Drumheller	1,033,000	1,721	600	1,396	740
Edmonton	452,019	744	608	616	734
Gleichen	6,707	16	419	14	479
Halcourt	3,040	16	190	15	203
Lethbridge	312,677	963	325	758	413
Magrath	2,002	7	286	6	337
Milk River	4,796	14	343	9	533
Pakowki	2,252	13	173	12	188
Pembina	70,964	89	797	51	1,391
Redcliff	45,938	58	792	48	957
Rochester	1,033	8	129	4	258
Sheerness, Stripping	62,793	48	1,308	...	...
Sheerness, Underground	5,149	19	271	17	303
Taber	16,549	46	360	37	447
Torfield, Stripping	62,168	50	1,243	...	...
Torfield, Underground	3,835	7	548	6	639
Wetaskiwin	58	2	29	2	29
No Area	1,395	9	155	6	233
Total	2,295,566	4,289	535	3,370*	644

SUB-BITUMINOUS COAL FIELD

Coalspur, Stripping	302,054	158	1,912	...	...
Coalspur, Underground	108,054	244	443	160	675
Pekisko	2,881	11	262	8	360
Pincher	1,809	8	228	5	361
Prairie Creek	88,260	136	649	93	949
Saunders	34,484	83	415	60	575
Total	537,542	640	840	326*	722

*This figure arrived at by deducting the tonnage from stripping pits from gross tonnage mined and dividing the product by the number of men employed underground.

BITUMINOUS COAL FIELD

Cascade	161,869	283	571	208	778
Crowsnest	991,233	1,693	585	1,268	782
Mountain Park	623,231	713	874	474	1,315
Nordegg	139,407	245	569	163	855
Total	1,915,740	2,934	653	2,113	907

SUMMARY

Domestic	2,295,566	4,289	535	3,370	644
Sub-Bituminous	537,542	640	840	326	722
Bituminous	1,915,740	2,934	653	2,113	907
Total	4,748,848	7,863	604	5,809	744

THE MINES BRANCH

Number of days on which Coal was drawn in the DOMESTIC FIELD by areas during each month:

Areas	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Ardley	15.85	8.20	8.29	5.00	4.40	5.25	3.25	8.60	13.75	15.89	15.30	18.83	122.61
Big Valley ..	15.40	7.20	9.20	10.67	5.67	6.00	6.00	9.00	8.67	16.75	19.60	16.00	124.49
Brooks	22.33	16.67	20.00	12.67	11.67	9.00	10.40	14.33	23.33	24.67	24.00	20.00	209.07
Canrose	18.71	10.00	11.50	14.00	14.00	14.00	12.66	9.67	17.33	19.50	16.75	18.83	174.87
Carbon	15.17	9.89	11.12	7.00	8.33	4.42	6.46	9.15	15.00	18.94	16.41	15.00	136.82
Castor	17.73	9.76	9.97	6.50	5.60	7.21	7.42	9.81	12.63	19.39	18.03	15.03	139.08
Champion	17.54	14.25	15.17	11.18	11.30	11.20	11.81	14.00	18.91	22.00	22.09	16.64	186.09
Drumheller ..	15.53	10.52	10.33	6.04	6.00	6.00	7.82	11.25	19.33	17.07	13.85	12.32	136.06
Edmonton	20.65	13.59	13.90	10.60	9.95	9.10	10.11	10.90	14.04	19.77	21.06	20.16	173.83
Gleichen	21.00	21.00	19.33	20.60	14.30	14.67	19.33	25.00	23.00	22.00	24.50	23.00	247.73
Halcourt	21.25	16.00	8.00	2.50	5.00	3.67	7.75	9.25	10.75	19.67	19.50	22.20	145.54
Lethbridge ..	16.10	11.85	13.60	10.67	14.88	13.31	10.00	12.41	15.78	18.10	17.27	17.00	170.97
Magrath	22.30	15.33	16.00	13.00	11.50	17.00	14.50	14.50	16.50	18.33	25.33	21.00	205.29
Milk River ..	13.33	12.33	12.67	10.00	10.00	9.33	12.66	10.67	19.67	21.67	17.33	11.00	160.66
Pakowki	12.11	5.71	8.20	7.00	2.67	5.33	6.50	8.20	15.50	22.33	16.67	12.17	122.39
Pembina	16.80	10.60	11.40	8.00	5.00	8.00	9.00	8.00	16.50	18.00	12.33	12.00	135.63
Redcliff	23.00	12.50	16.00	13.50	19.00	17.00	13.00	22.50	22.00	24.00	15.50	14.52	212.52
Rochester	13.33	14.00	.....	.....	.....	.....	.....	.....	.....	.....	26.00	22.50	75.83
Sheerness	14.63	10.92	11.31	8.94	7.44	9.43	8.79	12.93	15.63	21.60	16.90	13.72	152.24
Taber	14.61	13.23	11.83	8.91	7.73	7.40	10.00	14.10	17.82	22.58	16.93	15.75	160.89
Tofield	23.66	17.00	11.33	11.00	15.00	15.50	16.00	10.00	20.33	24.00	21.75	21.00	206.57
Wetaskiwin ..	14.00	2.00	4.00	2.00	.....	.....	.....	.....	.....	.....	.....	.....	22.00
Whitecourt ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
No Area	12.50	25.00	15.00	.....	.....	.....	.....	.....	4.00	18.50	12.50	18.00	105.50
Total average	17.24	12.50	12.19	9.51	9.47	9.64	10.17	12.21	16.21	20.23	18.62	17.03	153.33

Number of days in which Coal was drawn in the SUB-BITUMINOUS FIELD by areas each month:

Coalspur	15.83	12.50	16.67	12.33	11.60	10.60	11.20	15.20	13.83	15.60	18.17	18.17	171.70
Pekisko	13.50	8.00	10.33	4.00	4.67	5.33	6.33	9.33	13.00	7.00	10.75	16.25	108.49
Pincher	14.75	7.00	10.50	10.50	5.50	3.00	2.00	11.00	23.00	22.33	19.33	15.33	140.74
Prairie Creek	17.50	12.50	11.00	15.00	20.00	12.00	23.00	15.00	18.00	20.00	17.00	17.00	198.00
Saunders	16.50	9.00	7.50	10.00	8.00	18.00	23.00	27.00	16.00	22.50	13.50	16.00	189.00
Total average	15.62	9.80	10.50	10.37	9.95	9.79	13.51	15.51	16.76	17.49	15.75	16.55	161.59

Number of days on which Coal was drawn in the BITUMINOUS FIELD by areas each month:

Cascade	18.00	16.00	17.50	14.00	16.20	15.00	18.00	19.00	16.50	15.00	18.00	18.00	201.20
Crowsnest	12.50	9.25	11.75	10.75	12.00	17.50	19.25	12.50	10.56	12.50	14.20	12.75	155.51
Mountain Park	16.33	12.33	14.33	12.33	13.00	12.87	12.00	12.67	17.67	18.33	19.67	18.00	179.33
Nordeg	13.00	11.00	11.00	9.00	8.00	7.00	7.00	7.00	10.00	13.00	13.00	13.00	122.00
Total average	14.96	12.15	13.65	11.52	12.30	13.04	14.06	12.79	13.68	11.77	16.22	15.44	164.51

Number of days on which Coal was drawn each month:

Domestic	17.24	12.50	12.19	9.51	9.47	9.64	10.17	12.21	16.21	20.23	18.62	17.03	153.33
Sub-Bituminous	15.62	9.80	10.50	10.37	9.95	9.79	13.51	15.51	16.76	17.49	15.75	16.55	181.59
Bituminous	14.96	12.15	13.65	11.52	12.30	13.04	14.06	12.79	13.68	11.77	16.22	15.44	164.51
Total average	15.94	11.48	12.11	10.47	10.57	10.24	12.58	13.50	15.50	16.50	16.86	16.34	159.81

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Total number of shifts worked above and below ground by areas during each month for the six months ending June 30, 1934:

DOMESTIC FIELD

Areas	January		February		March		April		May		June		Total Jan. to June	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Ardley	287	865	197	306	162	247	105	181	121	205	97	156	969	1,960
Big Valley	40	130	17	62	22	74	21	63	9	33	2	10	111	372
Brooks	135	127	103	129	100	71	53	25	41	19	88	31	320	402
Camrose	541	1,457	353	872	246	872	166	442	184	477	130	362	1,620	4,482
Carbon	551	2,237	418	1,557	408	1,536	289	806	228	613	131	434	2,025	7,385
Castor	302	2,056	232	864	235	563	79	140	54	143	50	165	952	3,631
Champion	198	1,125	181	841	173	898	123	460	100	471	120	385	897	4,180
Drumheller	7,757	29,514	9,278	27,727	4,827	13,973	2,552	5,424	2,277	4,371	2,023	4,189	28,714	85,198
Edmonton	3,713	18,073	2,352	10,698	2,438	10,129	1,633	5,354	1,534	4,029	1,388	3,781	13,058	52,264
Gleichen	164	286	55	176	56	206	36	127	29	66	30	93	270	954
Halcyon	107	487	119	344	31	94	2	24	6	21	34	11	299	981
Lethbridge	4,216	10,774	3,399	6,629	2,783	5,337	2,067	2,946	1,950	2,617	1,954	2,693	16,369	30,996
Magrath	51	139	28	124	10	42	19	47	6	29	3	14	117	395
Milk River	50	117	51	64	56	72	44	36	28	25	25	17	254	331
Pakowki	21	150	19	79	27	69	11	61	8	35	13	77	99	471
Pembina	783	951	674	673	855	1,054	271	282	258	161	207	228	3,048	3,349
Redcliff	292	982	129	680	158	739	138	640	139	403	135	649	991	4,093
Rochester	114	94	42	26	.....	.....	.....	.....	.....	.....	.....	.....	156	120
Sheerness	925	310	697	193	692	186	786	81	725	30	734	79	4,559	879
Taber	221	554	156	344	80	290	57	179	85	187	50	128	649	1,682
Tofield	1,056	110	838	27	803	15	942	4	1,606	.....	1,351	.....	6,596	156
Wetaskiwin .....	.....	28	.....	2	2	6	4	.....	.....	.....	.....	.....	36	.....
No Area	60	90	86	92	30	90	.....	.....	.....	.....	.....	.....	176	272
Total	21,484	70,656	19,424	52,809	14,196	36,565	9,398	17,322	9,388	13,935	8,565	13,502	82,455	204,589

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Total number of shifts worked above and below ground by areas during each month for the six months ending December 31, 1934:

DOMESTIC FIELD

Areas	July		August		September		October		November		December		Total, July to December		Total for year 1934	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Ardley	62	95	151	270	306	655	389	744	335	778	311	909	1,554	3,451	2,523	5,411
Big Valley	4	8	5	13	20	52	31	107	208	128	38	134	306	442	417	814
Brooks	50	18	147	30	175	110	326	186	267	175	93	130	1,058	649	1,578	1,051
Camrose	150	439	176	537	245	568	321	998	479	1,729	419	1,303	1,790	5,974	3,410	10,456
Carbon	155	476	399	1,084	585	2,556	932	2,799	886	3,211	758	2,398	3,715	12,524	5,740	19,909
Castor	52	126	95	241	211	754	409	1,952	428	2,011	385	1,417	1,580	6,501	2,532	10,132
Champion	121	529	138	573	206	945	213	1,350	267	1,465	189	956	1,134	5,798	2,031	9,978
Drumheller	2,051	3,310	3,916	11,195	8,246	33,011	9,102	35,405	7,809	28,477	7,883	29,668	39,007	141,064	67,721	226,262
Edmonton	1,492	3,317	1,701	4,649	2,532	10,473	4,749	11,676	3,427	16,076	3,536	17,006	17,437	63,197	30,495	115,481
Gleichen	40	125	35	134	115	378	114	453	114	537	135	458	559	2,085	829	3,076
Halcourt	72	98	35	211	44	184	89	295	48	460	53	647	341	1,895	640	2,876
Lethbridge	2,049	2,916	2,479	5,053	4,524	14,404	5,466	15,381	4,532	10,396	6,057	8,279	25,107	56,429	41,476	87,425
Magrath	11	28	9	28	41	96	36	84	46	156	43	116	186	508	303	903
Milk River	31	50	29	56	51	143	54	195	85	199	53	71	303	714	557	1,045
Pakowki	15	36	13	70	74	155	112	228	56	162	22	53	292	704	391	1,175
Pembina	243	337	300	793	799	969	817	1,164	768	1,069	785	1,089	1,742	4,832	6,797	8,181
Redcliff	128	558	244	958	334	938	369	1,029	208	842	200	764	1,485	5,089	2,476	9,182
Rochester									104	105	105	50	208	30	385	170
Sheerness	778	36	693	85	925	313	1,516	526	1,385	311	168	168	6,216	1,439	10,775	2,318
Taber	53	155	116	478	207	831	311	1,102	306	787	274	531	1,267	3,884	1,916	5,566
Telford	760		735	4	983	38	1,515	1,160	1,475	240	1,268	182	6,741	624	13,337	780
Wetaskiwin					26	17	32	41	69	131	57	126	184	315	360	587
No Area																
Total	9,317	12,561	11,459	25,969	20,656	67,990	26,903	75,855	23,302	69,340	23,583	66,453	114,220	318,168	196,675	522,757

SUB-BITUMINOUS FIELD

Areas	January		February		March		April		May		June		Total Jan. to June	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Coalspur	6,198	2,977	5,150	1,670	5,416	1,808	4,972	960	4,808	656	5,153	543	31,697	8,614
Pekisko	30	130	25	98	26	127	10	22	13	28	14	31	118	436
Pincher	59	107	33	57	30	65	26	23	11	17	18	20	177	292
Prairie Creek	946	2,336	730	1,932	626	1,728	540	1,482	524	1,188	603	1,235	3,969	9,901
Saunders	600	1,742	423	711	347	632	107	220	197	214	172	322	1,846	3,841
Total	7,833	7,292	6,361	4,468	6,445	4,360	5,655	2,710	5,553	2,103	5,960	2,151	37,807	23,084

BITUMINOUS FIELD

Areas	January		February		March		April		May		June		Total Jan. to June	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Cascade	1,573	2,764	1,307	2,147	1,568	2,793	1,411	2,158	1,716	3,116	1,570	2,584	9,145	15,555
Crownest	8,376	17,908	7,181	13,341	8,211	17,537	7,760	16,808	10,466	17,962	9,557	21,201	52,051	104,757
Mountain Park	4,506	9,489	3,742	8,044	3,527	8,958	4,124	7,675	4,216	7,370	4,492	8,051	24,607	50,187
Nordeg	1,979	2,586	1,843	2,074	1,776	2,049	1,406	1,653	1,353	1,517	1,334	1,288	9,691	10,967
Total	16,934	32,547	14,073	25,606	15,082	31,337	14,701	28,294	17,751	30,565	16,953	33,124	95,494	181,466

TOTAL DOMESTIC, SUB-BITUMINOUS AND BITUMINOUS FIELDS

Areas	January		February		March		April		May		June		Total Jan. to June	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Domestic	21,484	70,656	19,424	52,609	14,196	36,565	9,398	17,322	9,388	13,935	8,565	13,502	82,455	204,589
Sub-Bituminous	7,833	7,292	6,361	4,468	6,445	4,360	5,655	2,710	5,553	2,103	5,960	2,151	37,807	23,084
Bituminous	16,934	32,547	14,073	25,606	15,082	31,337	14,701	28,294	17,751	30,565	16,953	33,124	95,494	181,466
Total	46,251	110,495	39,858	82,683	35,723	72,262	29,754	48,326	32,692	46,603	31,478	48,777	215,756	409,139

Total number of shifts worked above and below ground by areas during each month for the six months ending December 31, 1934:
SUB-BITUMINOUS COAL FIELD

Areas	July		August		September		October		November		December		Total July to December		Total for year 1934	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Coalspur	5,515	1,091	3,534	1,636	5,209	2,378	5,632	3,020	8,022	3,349	7,587	3,408	35,499	14,882	67,196	23,496
Pekisko	15	36	35	104	55	179	21	54	37	99	62	192	225	664	343	1,100
Pincher	22	24	22	22	44	44	88	162	84	47	174	118	307	544	484	506
Prairie Creek	532	1,322	688	500	848	2,011	1,116	2,202	1,107	1,976	1,108	1,880	5,399	9,691	9,368	19,792
Saunders	203	228	345	642	517	1,630	681	2,242	506	1,468	556	1,584	2,808	7,794	4,654	11,655
Total	6,287	2,701	4,624	2,904	6,573	6,242	7,538	7,680	9,756	7,066	9,360	7,182	44,238	33,775	82,045	56,859

BITUMINOUS COAL FIELD

Areas	July		August		September		October		November		December		Total July to December		Total for year 1934	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Cascade	1,846	3,712	1,820	3,769	1,452	2,431	1,575	2,624	1,619	2,610	1,565	2,688	9,877	17,834	19,022	33,389
Crowsnest	9,579	24,520	13,085	20,781	7,130	14,622	7,910	17,438	8,484	17,270	8,411	17,546	54,599	12,177	106,650	116,934
Mountain Park	4,578	7,847	4,463	9,081	4,650	10,633	4,965	11,384	5,499	11,201	5,037	12,080	29,192	62,226	53,799	112,413
Nordeg	1,366	1,155	1,347	1,353	1,544	1,782	1,688	2,349	1,732	2,439	1,711	2,419	9,368	11,497	19,079	22,464
Total	17,369	37,234	20,715	34,984	14,776	29,468	16,138	33,795	17,334	33,520	16,724	34,733	103,056	103,734	198,550	285,200

TOTAL DOMESTIC, SUB-BITUMINOUS AND BITUMINOUS COAL FIELDS

Areas	July		August		September		October		November		December		Total July to December		Total for year 1934	
	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground	Above Ground	Below Ground
Domestic	8,317	12,561	11,459	25,969	20,656	67,990	26,903	75,855	23,302	69,340	23,583	66,453	114,220	318,168	196,675	522,757
Sub-Bituminous	6,287	2,701	4,624	2,904	6,673	6,242	7,538	7,680	9,756	7,066	9,360	7,182	44,238	33,775	82,045	56,859
Bituminous	17,369	37,234	20,715	34,984	14,776	29,468	16,138	33,795	17,334	33,520	16,724	34,733	103,056	103,734	198,550	285,200
Total	31,973	52,496	36,798	63,857	42,105	103,700	50,579	117,330	50,392	109,926	49,667	108,368	261,514	455,677	477,270	864,816

THE MINES BRANCH

Amount of Mine Timber used during the year:

DOMESTIC COAL FIELD

Areas	Round Timber, linear feet	Lumber B.M.	Ties, linear feet	Lagging, linear feet	Slabs, cords	Cog- wood, cords
Ardley	64,759	.....	.....	.....	.....	.....
Big Valley	13,263	.....	.....	.....	.....	.....
Brooks	23,440	.....	.....	.....	.....	.....
Camrose	176,165	.....	.....	.....	.....	.....
Carbon	654,676	2,000	.....	.....	.....	.....
Castor	120,121	544	.....	.....	.....	.....
Champion	58,309	700	.....	.....	.....	.....
Drumheller	3,790,251	.....	78,265	.....	.....	.....
Edmonton	2,249,451	.....	62,656	8,811	161	.....
Gleichen	17,172	.....	.....	.....	.....	.....
Halcourt	12,510	.....	.....	.....	.....	.....
Lethbridge	1,104,387	962,636	42,071	.....	16½	72
Magrath	5,315	.....	.....	.....	.....	.....
Milk River	10,625	.....	.....	.....	.....	.....
Pakowki	6,841	.....	.....	.....	.....	.....
Pembina	107,799	.....	.....	.....	.....	.....
Redcliff	133,504	.....	14,940	.....	.....	.....
Rochester	950	.....	.....	.....	.....	.....
Sheerness	9,742	.....	.....	.....	.....	.....
Taber	49,450	.....	.....	.....	.....	.....
Tofield	20,750	.....	.....	.....	.....	.....
Wetaskiwin	537	.....	.....	.....	.....	.....
No Area	5,650	.....	.....	.....	.....	.....
Total	8,635,665	965,880	197,932	8,811	177½	72

SUB-BITUMINOUS COAL FIELD

Coalspur	153,951	.....	.....	.....	.....	.....
Pekisko	17,358	.....	.....	.....	.....	.....
Pincher	10,360	.....	.....	.....	.....	.....
Prairie Creek	198,716	.....	.....	3,020	10	.....
Saunders	143,082	.....	.....	.....	.....	.....
Total	523,467	.....	.....	3,020	10	.....

BITUMINOUS COAL FIELD

Cascade	272,158	.....	.....	34,910	.....	.....
Crowsnest	2,266,982	602,446	14,250	682,844	.....	.....
Mountain Park	701,177	.....	.....	.....	.....	.....
Nordegg	541,292	.....	.....	.....	.....	.....
Total	3,781,609	602,446	14,250	717,754	.....	.....

Particulars of Lamps in the Domestic Coal Field

	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
Portable Electric Lamps, Edison Cap Type	1,000	807	780	744	1,207	1,592	1,800	2,627	2,530	2,581	2,521	2,634	2,556
Portable Electric Lamps, Crag Harrow Type	35	35	43	43	560	275	.....	.....	.....	.....	.....	.....	.....
Portable Electric Lamps, Wire Cap Type	500	500	569	40	.....	.....	.....	.....	.....	.....	.....	.....	.....
Portable Electric Lamps, Gidham Cap Type	.....	.....	25	40	.....	.....	.....	.....	.....	.....	.....	.....	.....
Portable Electric Lamps, Wolfe Cap Type	.....	.....	.....	.....	.....	.....	.....	.....	.....	66	66	.....	66
Safety Lamps, Wolfe Flame Type	421	125	152	147	108	108	106	157	171	160	174	242	191
Safety Lamps, Koehler Flame Type	.....	3	6	8	4	3	.....	.....	.....	.....	.....	3	.....
Total	1,956	1,470	1,575	1,542	1,594	1,703	1,906	2,784	2,701	2,807	2,761	2,879	2,813

Particulars of Lamps in the Sub-Bituminous Coal Field

Portable Electric Lamps, Edison Cap Type	54	78	62	41	120	120	140	161	184	387	350	357	453
Safety Lamps, Wolfe Flame Type	.....	.....	.....	110	42	39	45	37	25	51	59	39	46
Total	54	78	62	151	162	159	185	198	209	438	409	396	499

Particulars of Lamps in the Bituminous Coal Field

Portable Electric Lamps, Edison Cap Type	2,849	3,545	3,485	2,952	3,024	3,378	3,510	3,310	3,458	4,458	3,005	2,922	2,638
Portable Electric Lamps, Wheat Electric Cap Type	.....	.....	.....	.....	.....	.....	11	12	.....	.....	.....	.....	.....
Portable Electric Lamps, Wolfe Electric Cap Type	.....	.....	.....	.....	.....	.....	20	20	20	7	.....	.....	20
Portable Electric Lamps, General Electric Cap Type	71	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Portable Electric Lamps, Oldham Cap Type	9	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Safety Lamps, Wolfe Flame Type	1,218	1,186	894	703	554	633	468	363	345	353	337	318	329
Safety Lamps, Koehler Flame Type	.....	.....	.....	.....	.....	8	.....	.....	.....	.....	.....	.....	.....
Total	4,147	4,778	4,379	3,655	3,578	4,019	4,019	3,705	3,823	4,818	3,342	3,240	2,987

THE MINES BRANCH

Quantity of Explosives used in pounds for blasting coal:

DOMESTIC COAL FIELD

Areas	Names of Explosives							Total
	Pellets	Polar Monobel No. 4	Polar Monobel No. 6	Polar Monobel No. 12	Stumping Powder	30% Dynamite	40% Dynamite	
Ardley	12,960	100	100	.....	.....	.....	.....	13,160
Big Valley	400	.....	.....	.....	.....	.....	.....	400
Brooks	4,200	.....	.....	.....	.....	.....	.....	4,200
Camrose	50	.....	.....	270	5	.....	.....	325
Carbon	19,772	50	.....	.....	.....	.....	.....	19,822
Castor	5,768	.....	.....	.....	.....	.....	.....	5,768
Champion	10,925	.....	.....	.....	.....	.....	.....	10,925
Drumheller	151,939	800	.....	16,004	.....	.....	.....	178,743
Edmonton	32,384	7,200	2,074	14,539	50	.....	.....	56,247
Gielchen	2,800	.....	.....	.....	.....	.....	.....	2,800
Halcourt	575	300	.....	.....	150	.....	.....	1,025
Lethbridge	26,275	5,370	350	6,472	.....	100	.....	38,567
Magrath	1,325	.....	.....	.....	.....	.....	.....	1,325
Milk River	4,535	1,500	.....	.....	.....	.....	.....	6,035
Pakowki	1,092	.....	.....	25	.....	.....	110	1,227
Pembina	14	5,040	.....	.....	65	.....	.....	5,119
Redcliff	4,800	.....	.....	3,400	.....	.....	.....	8,200
Rochester .....	.....	15	.....	.....	.....	.....	.....	15
Sheerness	7,361	.....	.....	.....	.....	.....	1,125	8,486
Taber	6,650	.....	.....	.....	.....	.....	.....	6,650
Tofield	3,830	.....	.....	.....	250	.....	25	4,105
Wetaskiwin	30	.....	.....	.....	.....	.....	.....	30
No Area .....	.....	.....	.....	11	.....	.....	.....	11
Total	297,685	20,375	2,524	40,721	520	100	1,260	373,185

SUB-BITUMINOUS COAL FIELD

Areas	Names of Explosives									Total
	Pellets	Polar Monobel No. 4	Polar Monobel No. 6	Polar Monobel No. 12	35% Polar Forcite	Gelatin 60%	Polar CXL-ite No. 2	Ammonia Dynamite 40%	Ammonia Dynamite 60%	
Coalspur .....	.....	21,121	.....	.....	61,625	350	4,000	1,150	1,350	89,596
Pekisko .....	.....	.....	566	505	.....	.....	.....	.....	.....	505
Pincher .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	566
Prairie Creek	1,514	54,967	.....	1,440	.....	.....	.....	.....	.....	57,921
Saunders	4,925	.....	.....	4,033	.....	.....	.....	.....	.....	8,958
Total	6,439	76,088	566	5,978	61,625	350	4,000	1,150	1,350	157,546

BITUMINOUS COAL FIELD

Areas	Names of Explosives			Total
	Polar Monobel No. 4	Polar Monobel No. 6	Polar Monobel No. 12	
Cascade	33,245	4,550	65	37,860
Crowsnest	17,660	200	550	18,410
Mountain Park	27,000	62,570	.....	89,570
Nordegg	6,325	.....	.....	6,325
Total	84,230	67,320	615	152,165

Number of tons of coal produced per pound of Explosive used for
blasting coal:

DOMESTIC COAL FIELD

Areas	Number of tons mined	Number of pounds of explosive used	Tons of coal mined per pound of explosive used
Ardley	21,549	13,160	1.64
Big Valley	2,056	400	5.00
Brooks	7,423	4,200	1.80
Camrose	39,435	325	121.34
Carbon	87,856	19,822	4.43
Castor	31,450	5,768	5.45
Champion	19,422	10,925	1.78
Drumheller	1,033,000	178,743	5.78
Edmonton	452,019	56,247	8.04
Gleichen	6,707	2,800	2.39
Halcourt	3,040	1,025	2.96
Lethbridge	312,677	38,567	8.10
Magrath	2,002	1,325	1.51
Milk River	4,796	6,035	.79
Pakowki	2,252	1,227	1.84
Pembina	70,964	5,119	13.86
Redcliff	45,938	8,200	5.60
Rochester	1,033	15	69.00
Sheerness	67,942	8,486	8.00
Taber	16,549	6,650	2.49
Tofield	66,003	4,105	16.09
Wetaskiwin	58	30	1.90
No Area	1,395	11	127.00
Total	2,295,566	373,185	6.15

SUB-BITUMINOUS COAL FIELD

Coalspur	410,108	89,596	4.69
Pekisko	2,881	505	5.70
Pincher	1,809	566	3.20
Prairie Creek	88,260	57,921	1.52
Saunders	34,484	8,958	3.96
Total	537,542	157,546	3.41

BITUMINOUS COAL FIELD

Cascade	161,869	37,860	4.28
Crowsnest	991,233	18,410	53.84
Mountain Park	623,231	89,570	6.95
Nordegg	139,407	6,325	22.04
Total	1,915,740	152,165	12.59

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Estimated number of shots fired for Blasting Coal:

DOMESTIC COAL FIELD

Areas	Electric Deton- ators	Electric Squibs	Fuse	Squibs	Total
Ardley	500	.....	10,375	..	10,875
Big Valley .....	.....	.....	605	.....	605
Brooks .....	.....	.....	40	2,700	2,740
Camrose .....	.....	.....	243	.....	243
Carbon .....	.....	.....	24,377	306	24,683
Castor .....	.....	.....	5,840	225	6,065
Champion .....	.....	.....	1,155	11,425	12,580
Drumheller	17,614	53,995	92,550	.....	164,159
Edmonton	2,597	8,776	55,196	2,400	68,969
Gleichen .....	.....	.....	2,350	.....	2,350
Halcourt .....	.....	.....	940	.....	940
Lethbridge	18,487	21,035	537	11,594	51,653
Magrath .....	.....	.....	672	750	1,422
Milk River .....	.....	.....	2,950	1,720	4,670
Pakowki .....	.....	.....	330	850	1,180
Pembina	4,936	.....	113	.....	5,049
Redcliff	3,600	.....	.....	2,600	6,200
Rochester .....	.....	.....	30	.....	30
Sheerness	800	1,500	3,899	740	6,939
Taber .....	.....	.....	2,310	5,768	8,078
Tofield .....	.....	.....	3,050	.....	3,050
Wetaskiwin .....	.....	.....	40	.....	40
No Area	14	.....	.....	.....	14
Total	48,548	85,306	207,602	41,078	382,534

SUB-BITUMINOUS COAL FIELD

Coalspur	32,893	.....	90	.....	32,983
Pekisko	200	.....	756	.....	956
Pincher	1,082	.....	.....	.....	1,082
Pincher Creek	52,923	.....	.....	.....	52,923
Saunders .....	.....	.....	10,539	.....	10,539
Total	87,098	.....	11,385	.....	98,483

BITUMINOUS COAL FIELD

Cascade	58,651	.....	.....	.....	58,651
Crownsnest	31,719	.....	480	.....	32,199
Mountain Park	82,552	.....	.....	.....	82,552
Nordegg	10,320	.....	.....	.....	10,320
Total	183,242	.....	480	.....	183,722

Number of miss-fire shots recorded in blasting coal in the Province:

DOMESTIC COAL FIELD

Areas	Electric Deton- ators	Electric Squibs	Fuse	Squibs	Total
Ardley .....	..	..	17	..	17
Camrose .....	..	..	7	..	7
Carbon .....	..	..	11	..	11
Castor .....	..	..	2	11	13
Champion .....	..	..	1	10	11
Drumheller	1	63	69	..	133
Edmonton	6	32	125	..	163
Gleichen .....	..	..	5	..	5
Halcourt .....	..	..	5	..	5
Lethbridge .....	..	..	..	5	5
Magrath .....	..	..	2	..	2
Milk River .....	..	..	6	..	6
Pakowki .....	..	..	1	..	1
Redcliff .....	..	..	..	9	9
Sheerness	1	3	4	4	12
Taber .....	..	..	1	..	1
Tofield .....	..	..	9	..	9
Wetaskiwin .....	..	..	1	..	1
Total	8	98	266	39	411

SUB-BITUMINOUS COAL FIELD

Coalspur	10	..	..	..	10
Saunders .....	..	..	2	..	2
Total	10	..	2	..	12

BITUMINOUS COAL FIELD

Cascade	3	3
Crowsnest	3	3
Mountain Park	25	25
Total	31	31

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Quantity of Explosives used in pounds for blasting rock in Coal-mines in the Province:

Areas	Names of Explosives												Total	
	Pellets	Polar Monobel No. 4	Polar Monobel No. 6	Polar Monobel No. 12	Polar CXI-ite No. 2	Polar Forcite 60%	Polar Gelatin 35%	Polar Gelatin 60%	Ammonia Dynamite 40%	Ammonia Dynamite 60%	40% Dynamite	30% Dynamite		Stumpng Powder
Ardley	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	50
Camrose	4
Carbon	200
Cascade	2,000	.....	.....	.....	.....	.....	.....	.....	.....	2,000
Castor	16
Champion	75	200	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	625
Coalspur	121	.....	.....	.....	.....	.....	.....	.....	.....	350
Crowsnest	6,300	.....	.....	.....	.....	.....	.....	.....	.....	8,929
Drumheller	2,300	1,560	.....	.....	424	.....	.....	.....	.....	.....	.....	.....	.....	10,951
Edmonton	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	396
Halcourt	296	.....	.....	.....	.....	.....	.....	.....	.....	.....	200
Lethbridge	210
Magrath	225	215	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	95
Mountain Park	95	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	330
Nordegg	8,823	49,900	.....	.....	.....	.....	.....	.....	.....	58,723
Pekisko	330	.....	.....	.....	.....	.....	.....	.....	.....	330
Pincher	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Prairie Creek	1,756
Saunders	300
Sheerness	12
Taber	550
No Area	4
Total	2,875	2,370	100	3,969	18,663	49,900	16,775	11,650	4,020	1,125	3,851	2,700	216	118,214

Estimated number of shots fired for blasting rock in Coal-mines in the
Province:

Areas	Electric Deton- ators	Fuse	Squibs	Total
Ardley		100		100
Camrose		2		2
Carbon		460		460
Cascade	6,150			6,150
Castor		21		21
Champion	115		107	222
Coalspur	4,920	8,520		13,440
Crowsnest	8,048	125		8,173
Drumheller	3,424	14,368		17,792
Edmonton	50	364		414
Halcourt		220		220
Lethbridge	3,826	150	30	4,006
Magrath		115		115
Mountain Park	14,110			14,110
Nordegg	550			550
Pekisko		8		8
Pincher	230			230
Prairie Creek	2,265			2,265
Saunders		420		420
Sheerness		20		20
Taber		1,120	50	1,170
No Area		3		3
Total	43,688	26,016	187	69,891

Number of miss-fire shots recorded in blasting rock in Coal-mines
in the Province:

Champion			1	1
Coalspur	1			1
Drumheller		21		21
Halcourt		4		4
Mountain Park	42			42
Total	43	25	1	69

ELECTRICITY

The rules for the installation and use of electricity in or about mines require a return to be made to the Department on or before January 15th of each year, giving size, type and any other particulars which may be required of electrical apparatus in use above and below ground. According to the returns received from the different mines, electricity was used in 73 different mines in 1934. A summary of these returns regarding the horse-power of electrical apparatus in use is given below:

Areas	No. of mines using Electricity	Horse-power of Electrical Apparatus in use		Total Horse-power
		Above Ground	Below Ground	
Ardley	1	54	60	114
Big Valley	1	35	25	60
Camrose	1	10½	5	15½
Carbon	6	193	340	533
Cascade	1	705	175	880
Coalspur	4	698	395	1,093
Crowsnest	6	11,547½	2,110	13,657½
Drumheller	24	3,396	4,580	7,976
Edmonton	8	779	864½	1,643½
Gleichen	1	2	5	7
Lethbridge	7	1,773½	614	2,387½
Mountain Park	3	950	2,110	3,060
Nordegg	1	1,200½	80	1,280½
Pembina	2	185	363½	548½
Prairie Creek	1	87½	192	279½
Redcliff	2	130	90	220
Saunders	2	112½	173	285½
Taber	2	45	70	115
Total	73	21,904	12,252	34,156

COAL-CUTTING MACHINERY

Areas	No. of machines operated by		Tons of coal mined by	
	Elec-tricity	Com-pressed air	Elec-tricity	Com-pressed air
Ardley	2	2	14,075	1,565
Big Valley	1	.....	959	.....
Carbon	9	.....	90,249	.....
Coalspur .....	.....	11	.....	31,747
Crowsnest .....	.....	199*	.....	248,885
Drumheller	90	1	937,797	3,910
Edmonton	16	3	279,866	4,769
Gleichen .....	.....	1	.....	2,947
Lethbridge	7	79	90,088	151,316
Mountain Park .....	.....	1	.....	14,253
Pembina	2	.....	43,210	.....
Prairie Creek	3	.....	15,981	.....
Redcliff	3	.....	45,660	.....
Saunders	2	8	4,970	19,646
Taber	2	.....	8,403	.....
Total	137	305	1,531,258	479,038

*Compressed air operated 197 picks.

ACCIDENTS

Summary table showing Accidents occurring in Mines from
1906 to 1934 inclusive:

Year	Output	Accidents			Tons of coal mined per accident		
		Fatal	Serious	Slight	Fatal	Serious	Slight
1906	1,385,000	10	11	20	138,500	125,909	60,250
1907	1,834,745	19	18	68	96,565	101,930	26,961
1908	1,845,000	11	38	13	167,727	48,552	141,923
1909	2,174,329	9	42	18	241,952	51,769	120,796
1910	3,036,757	61*	41	58	49,782	71,067	52,375
1911	1,694,564	7	32	45	242,080	52,955	37,656
1912	3,446,349	21	38	58	164,111	90,693	59,419
1913	4,306,346	28	60	83	152,789	71,772	51,883
1914	3,821,739	209†	44	50	18,286	86,857	76,434
1915	3,434,891	18	33	33	190,827	104,087	104,087
1916	4,638,604	20	51	34	232,430	91,149	136,723
1917	4,863,414	24	62	39	202,642	78,442	124,703
1918	6,148,620	22	60	77	279,483	102,477	79,860
1919	5,022,412	21	56	54	239,162	89,685	93,008
1920	6,908,923	29	53	38	238,733	130,371	181,814
1921	5,937,195	21	64	25	282,721	92,769	237,488
1922	5,976,432	35	38	35	170,755	157,274	170,755
1923	6,866,923	22	44	10	312,133	156,066	686,692
1924	5,203,713	21	42	40	247,796	123,898	130,093
1925	5,883,394	30	59	56	196,113	99,718	105,060
1926	6,508,908	39	67	119	166,398	97,148	54,696
1927	6,936,780	26	76	115	266,799	91,273	60,320
1928	7,334,179	28	71	122	261,935	103,298	60,166
1929	7,147,250	31	69	98	230,556	103,583	72,931
1930	5,755,911	11	69	97	523,265	83,419	58,339
1931	4,563,309	16	75	73	285,207	60,844	62,511
1932	4,867,984	11	61	96	442,544	79,803	50,708
1933	4,714,784	6	60	109	785,797	78,580	43,255
1934	4,748,848	15	68	70	316,589	69,836	67,840
Total	137,017,213	821	1,502	1,653	166,891	91,223	82,890

*Including thirty-one deaths caused by the Bellevue Explosion.

†Including one hundred and eighty-nine deaths caused by the Hillcrest Explosion.

Accidents during 1934, classified according to the Coal Field in
which they occurred:

Domestic	2,295,566	7	46	51	327,938	49,904	45,011
Sub-Bituminous	537,542	1	5	1	537,542	107,508	537,542
Bituminous	1,915,740	7	17	18	273,677	112,691	106,430

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Comparison of Accidents per 1,000,000 tons and per 1,000 men employed, 1915-1934:

Year	Tonnage	Total No. of men employed	Fatal Accidents			Serious Accidents			Slight Accidents			Total		
			No.	Per 1,000,000 tons	Per 1,000 men employed	No.	Per 1,000,000 tons	Per 1,000 men employed	No.	Per 1,000,000 tons	Per 1,000 men employed	No.	Per 1,000,000 tons	Per 1,000 men employed
1915	3,434,891	6,445	18	5.24	2.79	33	9.63	5.12	33	9.63	5.12	84	24.45	13.03
1916	4,538,604	7,570	20	4.31	2.64	51	10.99	6.74	34	7.33	4.49	105	22.61	13.87
1917	4,863,414	8,310	24	4.92	2.88	62	12.75	7.46	39	8.92	4.69	125	23.51	13.04
1918	5,148,650	8,774	22	3.57	2.31	60	9.95	6.34	77	12.32	7.18	139	23.53	16.12
1919	5,022,432	7,573	21	4.16	2.78	56	11.15	7.39	54	10.75	7.13	131	26.23	17.30
1920	5,908,923	8,688	29	4.20	2.99	53	17.81	6.10	38	5.50	4.37	120	17.37	13.81
1921	5,937,195	10,010	21	3.54	2.10	64	10.78	6.39	25	4.23	2.50	110	18.53	10.99
1922	5,976,432	8,547	35	5.86	4.09	38	6.36	4.45	35	5.86	4.09	108	18.07	12.64
1923	6,866,923	9,927	22	3.19	2.21	44	6.39	4.43	10	1.43	1.00	76	11.07	7.65
1924	5,203,713	7,317	21	4.03	2.86	42	8.07	5.74	40	7.68	5.47	103	19.79	14.35
1925	5,883,394	8,774	30	5.10	3.40	59	10.03	3.42	56	9.52	6.38	145	24.65	16.53
1926*	6,508,908	8,763	39	5.99	4.99	67	10.29	7.65	119	10.33	13.58	225	34.57	25.68
1927	6,936,780	9,016	26	3.75	2.88	76	10.96	8.43	115	16.50	12.71	217	31.28	24.06
1928	7,334,179	9,496	28	3.82	2.96	71	9.68	7.48	122	16.63	12.85	221	30.12	23.27
1929	7,147,250	9,572	31	4.34	3.24	69	9.65	7.21	98	13.71	10.24	198	27.70	20.30
1930	5,755,911	8,889	11	1.91	1.24	69	11.99	7.76	97	17.20	10.90	177	30.75	19.91
1931	4,563,309	8,070	16	3.51	1.98	75	16.44	9.27	73	16.00	9.04	164	35.92	20.32
1932	4,867,984	7,837	11	2.26	1.40	61	12.53	7.78	96	19.72	12.25	168	34.51	21.43
1933	4,714,784	8,042	6	1.27	.75	60	12.73	7.46	109	20.99	13.55	175	37.12	21.76
1934	4,748,848	7,863	15	3.14	1.91	68	14.31	8.65	70	14.74	8.90	153	32.21	19.45

*Including 10 deaths by explosion at McGillivray Creek Coal & Coke Co., Ltd.

†Output does not include coal produced by farmers under permit.

Number of tons produced per accident:

DOMESTIC COAL FIELD

Areas	Output	Average No. of men employed	No. of tons produced per accident			
			Fatal	Serious	Slight	Total
Ardley	21,549	47	.....	21,549	.....	21,549
Blg Valley	2,056	11	.....	.....	.....	.....
Brooks	7,423	12	.....	.....	.....	.....
Camrose	39,435	69	.....	39,435	.....	39,435
Carbon	87,856	184	.....	87,856	43,928	29,286
Castor	31,450	75	.....	.....	6,290	6,290
Champion	19,422	61	19,422	9,711	.....	6,474
Drumheller	1,033,000	1,721	258,250	39,731	60,765	21,979
Edmonton	452,019	744	452,019	90,404	18,081	15,587
Gleichen	6,707	16	.....	.....	.....	.....
Halcourt	3,040	16	.....	.....	.....	.....
Lethbridge	312,677	963	.....	44,682	156,338	34,742
Magrath	2,002	7	.....	.....	.....	.....
Milk River	4,796	14	.....	4,796	.....	4,796
Pakowki	2,252	13	.....	.....	.....	.....
Pembina	70,964	89	.....	70,964	70,964	35,482
Redcliff	45,938	58	45,938	45,938	.....	22,969
Rochester	1,033	8	.....	.....	.....	.....
Sheerness	67,942	67	.....	.....	67,942	67,942
Taber	16,549	46	.....	.....	.....	.....
Tofield	66,003	57	.....	.....	.....	.....
Wetaskiwin	58	2	.....	.....	.....	.....
No Area	1,395	9	.....	.....	.....	.....
Total	2,295,566	4,289	327,938	49,904	45,011	22,073

SUB-BITUMINOUS COAL FIELD

Coalspur	410,108	402	.....	136,703	.....	136,703
Pekisko	2,881	11	.....	.....	.....	.....
Pincher	1,809	8	.....	.....	.....	.....
Prairie Creek	88,260	136	88,260	44,130	88,260	22,065
Saunders	34,484	83	.....	.....	.....	.....
Total	537,542	640	537,542	107,508	537,542	76,792

BITUMINOUS COAL FIELD

Cascade	161,869	283	.....	40,467	26,945	16,187
Crowsnest	991,233	1,693	247,808	198,247	198,247	70,802
Mountain Park	623,231	713	207,743	124,646	89,033	41,549
Nordegg	139,407	245	.....	46,469	.....	46,469
Total	1,915,740	2,934	273,677	112,691	106,430	45,613

SUMMARY

Domestic	2,295,566	4,289	327,938	49,904	45,011	22,073
Sub-Bituminous	537,542	640	537,542	107,508	537,542	76,792
Bituminous	1,915,740	2,934	273,677	112,691	106,430	45,613
Total	4,748,848	7,863	316,590	69,860	67,941	31,038

Classification of Accidents according to outputs of mines which produced during the year 1934:

	Under 1,000 tons	From 1,000 to 5,000 tons	From 5,000 to 10,000 tons	From 10,000 to 50,000 tons	From 50,000 to 100,000 tons	From 100,000 to 150,000 tons	From 150,000 to 200,000 tons	Over 200,000 tons	Total
Fatal .....	...	2	...	1	5	1	2	4	15
Serious	2	2	1	19	19	12	11	2	68
Slight	4	4	2	28	10	5	14	3	70
Total	6	8	3	48	34	18	27	9	153

Tons of coal produced per accident:

Fatal	31,794	71,171	...	1,054,072	174,263	812,960	521,966	142,844	316,589
Serious	15,898	71,171	89,276	55,477	51,124	67,747	94,903	285,688	69,836
Slight .....	...	35,583	49,638	37,645	97,132	162,592	74,566	190,458	67,841
Total	10,559	17,793	29,759	21,960	28,569	45,164	38,664	63,486	31,012

FATAL ACCIDENTS

Frank Smith, operator and overman, age 65 years, on February 8th at the mine operated by himself near Namao, caused through his being crushed between loaded sleighs. He was trying to hold a sleigh loaded with coal to prevent it bumping into another sleigh, when he slipped and fell between the sleighs, his head being crushed between the sleigh runners. Death occurred about 8 hours later.

John Berta, miner, age 41 years, on February 15th, in the mine operated by the Gunderson Brick & Coal Co., Ltd., Redcliff, caused by a fall of coal. He was working at the face of No. 3 room off 8 Butt entry, scraping the cuttings from a machine cut, when a piece of overhanging coal dropped onto his head. Skull crushed, causing instant death.

Charles Jandura, surface labourer, age 26 years, on February 17th, at the mine operated by the International Coal & Coke Co., Ltd., Coleman, caused through his falling onto the gears of a coke loading machine. His work was to level the coke in railway cars which were being loaded by a loading machine. He stated that he was greasing the gears, but had no instructions to do so, neither was this part of his duties. He climbed onto the machine while it was in operation and in some manner slipped and fell among the gears, receiving the following injuries: right arm severed below elbow, right thigh muscles torn and skin torn from chest and abdomen. He died in the hospital from the shock caused by the above, about 10 hours later.

A. Trstansky, age 61 years, on April 25th, in the mine operated by the Cadomin Coal Co., Ltd., Cadomin, caused through a fall of coal. He along with his partner, was working repairing the corner of pillar at 2nd cross-cut No. 5 main angle in the shaft mine when a fall of coal occurred, burying him. He was dead when taken out from under the coal, death being caused by fracture of the lower cervical vertebrae.

John Kaizer, miner, age 60 years, on June 15th, in the mine operated by the Jewel Collieries, Ltd., at Wayne, caused through a fall of rock. He along with his partner had gone into the mine, without the knowledge of the mine officials, the mine being idle. They were working at the face of 15 room, 3rd west, when a fall of rock occurred, breaking the timber and striking him. Fractured spine, also both legs, causing practically instant death, he being dead when taken from under the rock. There being no other person in the mine, his partner had to go to the surface for assistance. They should not have been working at the time, as there had been no inspection made.

Ivor Jones, overman, age 33 years, Alex. McLeod, examiner, age 54 years, and H. McDougall, miner, age 41 years, on June 18th, in the mine operated by The Thomas Coal Co., Ltd., at Nacmine, near Drumheller, caused by an explosion of C.H. 4.

These men along with two others, had gone into the mine before an inspection had been made and had proceeded to 7 and 8 south off 11 east.

The fan having been stopped at 1 p.m. on the 17th, had been started at 5 a.m. on the 18th, three hours before the men entered the mine. Apparently gas had accumulated at the face of 7 and 8 south, this gas being ignited when the switch was thrown in, on a blower fan in 8 south. The force of the explosion killed McLeod and injured McDougall, who died from the effects of his injuries and after-damp, before rescuers could reach him, this being about five hours later.

Jones endeavoured to rescue the other men, but was overcome by after-damp, being dead when the rescue crew found him.

Jas. Pelle, miner, age 40 years, on Sept. 5th, in the mine operated by the West Canadian Coll., Ltd., at Bellevue, caused through a fall of rock. He along with his partner was setting timber in 234 room, 6 level, when a large piece of rock fell from the roof striking him and knocking him down. His chest was crushed, causing internal injuries, death being instantaneous.

Kos Todoroff, driver, age 42 years, on Sept. 11th, in the mine operated by Cadomin Coal Co., Ltd., at Cadomin, caused through his falling in front of a trip of cars. He was driving a horse hauling a trip of loaded cars on the main entry when he slipped and fell in front of the cars, which ran over him. Fractured spine and chest crushed, causing instant death.

Joseph Lorinc, car handler, age 34 years, on Sept. 13th, in the mine operated by the Hillcrest Collieries, Ltd., caused through a fall of rock. He

was engaged as a car handler between chutes, and while waiting for coal had gone up to the working face. He was standing at the face of No. 653 cross pitch, waiting while the miners were loading coal. They finished loading and pushed the car out; he remained at the face, when a large piece of rock fell, knocking him down. Fractured neck, compound fracture of pelvis, causing instant death.

Moses Johnson, District Inspector of Mines, age 49 years, on October 31st, at the mine operated by the International Coal & Coke Co., Ltd., Coleman, caused through C.O. poisoning from a mine fire.

A fire had broken out in 103 slope, B level, No. 2 seam, all the men being out of the mine. He along with others had been endeavouring to change the doors at 93 fan on the surface, and had been exposed to the return air from the fire. He had been down the main slope and had returned to the surface and was, along with others, testing the return air at the top of the fan shaft when he collapsed. Death was caused through over exertion, mental strain and C.O. poisoning.

John H. Hamilton, miner, age 55 years, on Nov. 19th, at the mine operated by Mike Popovich, near Champion, caused through his being crushed between cars and roof of slope.

He had apparently signalled the hoistman to hoist a loaded car up the slope, and jumped on to the car to ride up the slope, being caught between the roof and top of car. Fractured spine, from the effects of which he died in the Vulcan hospital on Nov. 21st. He was riding on the car against orders.

George Gazivoda, miner, age 38 years, on December 11th, in the mine operated by the Mountain Park Collieries, Ltd., at Mountain Park, caused through his being struck by a car on the slope.

He was on his way home at the end of shift, and was waiting on No. 4 west entry for the man trip. A trip of empty cars was being lowered down the slope to 5 west when the front car became derailed at the frog and went in 4 west, jamming him against the side. Fractured vertebrae at base of neck, causing instant death.

Thomas J. Hunt, miner, age 33 years, on December 18th, in the mine operated by the Hinton Collieries, Ltd., at Hinton, caused through a fall of rock.

He, along with three other men, was working at the face of No. 1 main entry which was being driven 38 feet wide, when a heavy fall of rock occurred, burying him. He was dead when taken out some three hours later, death being instantaneous.

Accidents as they occurred by months during the year 1934:

Months	Above Ground				Under Ground				Total Above and Under Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
January			1	1		9	9	18	19
February	2	2	1	5	1	2	5	8	13
March		1	1	2		5	4	9	11
April			1	1	1	3	2	6	7
May						4	1	5	5
June		1		1	4	2	2	8	9
July						3	1	4	4
August						1	6	7	7
September		1		1	3	9	8	20	21
October	1	1	1	3		9	7	16	19
November			1	1	1	5	10	16	17
December		1	2	3	2	9	7	18	21
Total	3	7	8	18	12	61	62	135	153

Accidents occurring in the Province above and under ground during the year 1934:

Cause	Above Ground				Under Ground				Total Above and Under Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Haulage		1	1	2	3	14	17	34	36
Falls of rock					4	18	13	35	35
Falls of coal					2	9	6	17	17
Shot-firing						1	1	2	2
Coal-cutting machinery						7		7	7
Bucking coal						1	1	2	2
Loading coal						3	7	10	10
Ignition of gas					3		2	5	5
Timbering						2	4	6	6
Electricity						1	1	2	2
Caging		1	1	2					
Shaft						2		2	2
Coal bursting from face							3	3	3
Tippie machinery			2	2					
Box car loader		3		3					3
Moving cars on tippie		1		1					1
Coke loading machinery	1			1					1
Miscellaneous	2	1	3	6		3	6	9	15
Total	3	7	8	18	12	61	62	135	153

Accidents occurring in the Province above and under ground for the year 1934, classified according to the areas in which they occurred:

DOMESTIC

Areas	Above Ground				Under Ground				Total Above and Under Ground
	Fatal	Serious	Slight	Total	Fatal	Serious	Slight	Total	
Ardley						1		1	1
Camrose						1		1	1
Carbon			1	1		1	1	2	3
Castor							5	5	5
Champion					1	2		3	3
Drumheller		3	1	4	4	23	16	43	47
Edmonton	1		2	3		5	21	26	29
Lethbridge		2	1	3		5	1	6	9
Milk River						1		1	1
Pembina						1	1	2	2
Redcliff					1	1		2	2
Sheerness							1	1	1
Total	1	5	5	11	6	41	46	93	104

SUB-BITUMINOUS

Coalspur		1		1		2		2	3
Prairie Creek					1	2	1	4	4
Total		1		1	1	4	1	6	7

BITUMINOUS

Cascade						4	6	10	10
Crowsnest	2		1	3	2	5	4	11	14
Mountain Park		1	2	3	3	4	5	12	15
Nordegg						3		3	3
Total	2	1	3	6	5	16	15	36	42

THE MINES BRANCH

Classification of Accidents according to the Coal Fields in which they occurred:

DOMESTIC

Cause	Above Ground			Under Ground			Total Above and Under Ground
	Fatal	Serious	Slight	Fatal	Serious	Slight	
Rope Haulage, struck by empty car				1			1
Rope Haulage, jammed between car and roof							1
Rope Haulage, horse stepped on foot							1
Horse Haulage, leg caught between car bumpers							1
Horse Haulage, slipped and fell in front of cars							2
Horse Haulage, horse stepped on leg							1
Horse Haulage, arm jammed between horse and timber							1
Horse Haulage, jammed between car and timber							1
Horse Haulage, tail chain caught loose rail striking hand							1
Horse Haulage, coupling cars, hand caught by coal falling off car							1
Horse Haulage, replacing derailed car, finger crushed							1
Horse Haulage, finger jammed between coal and timber							1
Manual Haulage, uncoupling cars on tippie, foot jammed between bumpers							2
Manual Haulage, jammed between cars							3
Manual Haulage, replacing derailed car, slipped, strained back							2
Manual Haulage, pushing car, slipped and fell							3
Manual Haulage, replacing derailed car, finger caught between car and rail							1
Manual Haulage, pushing car, struck by another car							1
Manual Haulage, slipped when pushing car, car struck his back							1
Manual Haulage, lifting derailed car, slipped wrenching hip							1
Fall of rock at face of entry							1
Fall of rock at face of room							5
Fall of rock, pulling down rock, struck by same							1
Fall of rock at face of room when placing timber							1
Fall of rock in room							1
Fall of rock on entry while timbering							1
Fall of coal at face of room							6
Fall of coal at face of entry							4
Shot-firing, struck by flying rock from shot							1
Compressed air coal-cutting machine, foot caught by picks							1
Electric coal-cutting machine, struck by piece of coal							3
Electric coal-cutting machine, jack slipped, causing cave							1
Electric coal-cutting machine, leg jammed against timber							1
Electric coal-cutting machine, foot crushed under wheel							4
Ignition of gas by electric switch							1
Ignition of gas by open light							1

	1	5	5	11	6	41	46	93	104
Loading coal, finger jammed between coal and car								2	2
Loading coal, slipped, coal fell onto chest								1	1
Loading coal, car slipped jamming him against face								1	1
Loading coal, piece fell on foot								1	1
Loading coal, slipped, strained side								1	1
Loading coal conveyor, hand jammed under rollers								1	1
Taking down coal, struck by falling coal								1	1
Struck by coal bursting out from face								1	1
Timbering, hand cut making down shaft								3	3
Shaft, struck by coal falling down shaft								1	1
Electricity, burnt about hands and face opening switch								1	1
Electricity, moving transformer, shoulder in contact with lead wire								1	1
Caging, loading cars in cage jammed between car and gate								1	1
Caging, pulling car off cage, slipped and fell								1	1
Tippie machinery, foot caught between shaker frame and wheel								1	1
Box car loader, arm caught in gears								1	1
Box car loader, fingers caught in gears								1	1
Miscellaneous, stacking rails, which slipped and fell on his foot								1	1
Miscellaneous, struck on head by coal falling from chute								1	1
Miscellaneous, slipped and fell, fracturing right leg								1	1
Miscellaneous, fell between two sleighs at loading chute								1	1
Miscellaneous, lifting car, slipped and fell against anvil								1	1
Miscellaneous, leading horse which stumbled and fell on his foot								1	1
Miscellaneous, walking on entry, stepped on nail								1	1
Miscellaneous, unloading timber, slipped and fell, ankle sprained								1	1
Miscellaneous, spiking rail, struck hand with hammer								1	1
Total	1	5	5	11	6	41	46	93	104

SUB-BITUMINOUS

[illegible]

THE MINES BRANCH

BITUMINOUS

Cause	Above Ground				Under Ground				Total Above and Under Ground
	Fatal			Total	Fatal			Total	
	Serious	Slight	Total		Serious	Slight	Total		
Rope Haulage, jumping off car, slipped and fell against same									1
Rope Haulage, struck by derailed car on slope						1		1	1
Rope Haulage, main and tail, jammed between cars							1	1	1
Compressed air locomotive haulage, arm jammed between bumpers							1		1
Electric storage battery locomotive haulage, eyes burnt from an electric arc				1					1
Horse Haulage, knocked down by horse, struck by car							1		1
Horse Haulage, kicked by a horse								1	1
Horse Haulage, slipped and fell in front of trip							1		1
Manual Haulage, tripped and fell while pushing car									1
Fall of rock in old workings									1
Fall of rock while erecting timber							2	2	2
Fall of rock at face of cross-cut							1		1
Fall of rock at longwall face								2	2
Fall of coal in pillar workings							1		1
Fall of coal at face of incline							1		1
Fall of coal at face of room							1		1
Fall of coal in room								1	1
Fall of coal in chute								1	1
Bucking coal, slipped and fell in chute								1	1
Timbering, slipped off platform while timbering								1	1
Timbering, slipped and fell onto some lagging								1	1
Timbering, slipped and fell against timber									1
Timbering, struck by planks sliding down chute								1	1
Picking table, struck by a hammer breaking coal				1					1
Coke loading machine, fell in gears	1			1					1
Testing fan chimney, collapsed from C.O. poison	1			1					1
Box car loading machinery, arm caught between loader and car		1		1					1
Miscellaneous, kicked by horse in stable									1
Miscellaneous, walking down jig, slipped and fell							1	1	2
Miscellaneous, slipped and fell while oiling guide wheel							1	1	2
Miscellaneous, unloading timber which fell on foot				1					1
Total	2	1	3	6	5	16	15	36	42

Accidents during 1934, classified according to the Mine in the Domestic Field in which they occurred:

Name of Operator	Area	Above Ground			Under Ground			Total Above and Under Ground
		Fatal	Serious	Slight	Fatal	Serious	Slight	
Super-Heat Coal Co., Ltd.	Ardley	.....	.....	.....	.....	1	1	1
Canadian Durrant Coal Co., Ltd.	Camrose	.....	.....	.....	.....	1	1	1
The Peerless Carbon Collieries, Ltd.	Carbon	.....	.....	.....	.....	1	.....	1
Oliphant, Jos. H.	Castor	.....	1	.....	.....	.....	.....	1
Sank, John	Castor	.....	.....	.....	.....	2	2	2
James, David	Castor	.....	.....	.....	.....	.....	.....	1
McCormack, Mrs. N.	Champion	.....	.....	.....	.....	1	.....	1
Federzoli, Travaglia, Cattoni & Rota	Champion	.....	.....	.....	.....	.....	.....	1
Popovich, Mike	Champion	.....	.....	.....	.....	.....	.....	1
Duquesne, George	Champion	.....	.....	.....	.....	.....	.....	1
Newcastle Coal Co., Ltd.	Drumheller	.....	1	.....	.....	2	.....	3
Midland Coal Mining Co., Ltd.	Drumheller	.....	.....	.....	.....	4	.....	4
The Thomas Coal Co., Ltd.	Drumheller	.....	.....	.....	.....	.....	.....	4
Red Deer Valley Coal Co., Ltd.	Drumheller	.....	.....	.....	.....	2	.....	2
Great West Coal Co., Ltd. (Aerial)	Drumheller	.....	.....	.....	.....	1	.....	1
Alberta Block Coal Co., Ltd.	Drumheller	.....	.....	.....	.....	.....	.....	1
Sovereign Coal Mining Co., Ltd.	Drumheller	.....	.....	.....	.....	1	.....	1
Jewel Collieries, Ltd.	Drumheller	.....	.....	.....	.....	.....	.....	2
Murray Collieries, Ltd.	Drumheller	.....	.....	.....	.....	3	.....	4
Western Gem Coal Co., Ltd.	Drumheller	.....	.....	.....	.....	2	.....	5
Ideal Coal Co., Ltd.	Drumheller	.....	1	.....	.....	1	.....	2
Brilliant Coal Co., Ltd.	Drumheller	.....	.....	.....	.....	.....	.....	4
Atlas Coal Co., Ltd.	Drumheller	.....	.....	.....	.....	.....	.....	2
Empire Collieries, Ltd.	Drumheller	.....	.....	.....	.....	3	.....	5
Ry-Grade Coal Co., Ltd.	Drumheller	.....	.....	.....	.....	3	.....	5
Great West Coal Co., Ltd. (Clover Bar)	Edmonton	.....	1	.....	.....	.....	.....	1
Parker, Levi	Edmonton	.....	.....	.....	.....	.....	.....	1
Dawson Coal, Ltd.	Edmonton	.....	.....	.....	.....	.....	.....	1
Smith, Frank	Edmonton	.....	.....	.....	.....	.....	.....	1
Penn Coals, Ltd.	Edmonton	.....	.....	.....	.....	1	.....	1
Marcus Coal, Ltd.	Edmonton	.....	.....	.....	.....	.....	.....	2
Edina Coal Co., Ltd.	Edmonton	.....	1	.....	.....	.....	.....	1
Poholka, Steve	Edmonton	.....	.....	.....	.....	.....	.....	3
Fridel Red Hot Coal Co.	Edmonton	.....	.....	.....	.....	.....	.....	1
Beverly Coal Co., Ltd.	Edmonton	.....	.....	.....	.....	.....	.....	1
Kent Coal Co., Ltd.	Edmonton	.....	.....	.....	.....	3	.....	3
Canadian Pacific Railway (Dept. Nat. Res.)	Lethbridge	.....	2	1	.....	1	.....	13
		.....	.....	.....	.....	2	.....	6

DOMESTIC—Continued

Name of Operator	Area	Above Ground			Under Ground			Total Above and Under Ground
		Fatal	Serious	Slight	Fatal	Serious	Slight	
Royalties Oil & Share Corporation, Ltd.	Lethbridge	.....	.....	.....	.....	2	.....	2
Canadian Pacific Railway (Dept. Nat. Res.)	Lethbridge	.....	.....	.....	.....	1	.....	1
Speed, Tim	Milk River	.....	.....	.....	.....	1	.....	1
Royalties Oil & Share Corporation, Ltd.	Pembina	.....	.....	.....	.....	.....	1	1
Lakeside Coals, Ltd.	Pembina	.....	.....	.....	.....	.....	.....	1
Gunderson Brick & Coal Co., Ltd.	Redcliff	.....	.....	.....	1	1	.....	2
Ross, A. W.	Sheerness	.....	.....	.....	.....	.....	1	1
Total		1	5	5	6	41	46	93
								104

SUB-BITUMINOUS

Foothills Collieries, Ltd., The	Coalspur	.....	.....	.....	.....	1	.....	1
Bryan Coal Co., Ltd.	Coalspur	.....	1	.....	1	.....	.....	2
Hinton Collieries, Ltd.	Prairie Creek	.....	.....	.....	1	1	1	3
Jasper Coal, Limited.	Prairie Creek	.....	.....	.....	.....	1	.....	1
Total		.....	1	.....	1	1	4	6
								7

BITUMINOUS

Canmore Coal Co., Ltd.	Cascade	.....	.....	.....	.....	4	6	10
Hillcrest Collieries, Ltd.	Crowsnest	.....	.....	.....	1	.....	.....	1
West Canadian Collieries, Ltd. (Bellevue)	Crowsnest	.....	.....	.....	1	.....	1	2
International Coal & Coke Co., Ltd.	Crowsnest	2	.....	.....	.....	1	.....	1
Mohawk Bituminous Mines, Ltd.	Crowsnest	.....	.....	.....	.....	.....	1	1
McGillivray Creek Coal & Coke Co., Ltd.	Crowsnest	.....	1	.....	.....	2	1	3
West Canadian Collieries, Ltd. (Greenhill)	Crowsnest	.....	.....	.....	.....	2	1	3

LIST OF PROSECUTIONS INSTITUTED UNDER THE COAL-MINES REGULATION ACT DURING 1934:

Mine in which Contravention was Committed	Description of Defendant	Offence Charged	Result of Proceedings	Penalty	Costs
Mountain Park Collieries, Ltd.	Miner	Did make dummies with coal-dust and coal for the purpose of stemming shots in the coal at face of 37 pillar 5 W. entry Michelin seam. Sec. 87, Rule 6.	Convicted	Fined \$10.00	\$1.70
Jos. C. Gibson	Overman	Permitted a person to work at the mine without being registered	Convicted	Fined \$5.00 or 10 days	4.75
Jos. C. Gibson	Examiner	Failed to post copies of reports of inspections	Convicted	Fined \$5.00 or 10 days	2.75
Henry Denboer	Owner	Failed to have overman in charge	Not Convicted		
Archie Thompson	Owner	Failed to have overman in charge	Not Convicted		
West Can. Coll., Ltd. (Greenhill)	Timber Packer	Had in his possession lucifer match for striking a light while in the mine in which safety lamps are used	Convicted	Fined \$1.00 and costs or 10 days	3.50
Jewel Collieries, Ltd.	Miner	Entered mine without same being examined and copy of report posted	Convicted	Fined \$25.00	6.05
Alberta Block Coal Co., Ltd.	Miner	Had a pipe for smoking and smoking tobacco in his possession underground	Convicted	Fined \$5.00	3.75
Superior Grade Coal Co., Ltd.	Manager, Overman and Examiner	Failed to have daily report of airways inspection reported in daily report book	Convicted	Fined \$5.00	1.25
Superior Grade Coal Co., Ltd.	Manager, Overman and Examiner	Allowed the intake air to pass through old workings	Convicted	Fined \$10.00	1.25
Sovereign Coal Mining Co., Ltd.	Miner	Working as coal-miner, he not being the holder of a coal-miner's certificate	Convicted	Fined \$25.00 or 1 month hard labour. Fine not paid. Warrant issued 4-2-35	4.25
Superior Grade Coal Co., Ltd.	Manager, Overman and Examiner	Failed to have all places not in actual course of working and extension in mine properly fenced at entrances to such places	Convicted	Fined \$10.00	1.25
Rosedale Coal Co., Ltd.	Examiner	Failed to make a true report of his inspection in the book kept for the purpose	Convicted	Fined \$10.00	3.75
Edward Oliver	Owner	Failed to have all certificates at mine office and failed to have all persons employed registered	Convicted	Fined \$1.00	
Edward Oliver	Overman	Failed to make ventilation reports in book	Convicted	Fined \$1.00	
C. Thomson	Owner	Started to operate mine without sending notice in writing to Chief Inspector and District Inspector	Convicted	Fined \$15.00	3.00

C. Thomason	Overman and Examiner	Failed to record any inspection report in book or to post copy thereof	Convicted	Fined \$10.00	3.70
C. Thomason	Miner	Went to work in mine without any copy of inspection report having been posted	Convicted	Fined \$5.00	3.70
C. Thomason	Miner	Went to work in mine without any copy of inspection report having been posted	Convicted	Fined \$5.00	3.00
		(The latter four cases the alternative to come under Criminal Code. To be paid by December 1st, 1934.)			
Thomas Coal Co., Ltd., The	Agent, Managing Director	Failed to provide an adequate amount of ventilation in their mine to dilute and render harmless noxious gases in the working places	Not Convicted		

Number of Mines opened, abandoned, and re-opened according to Areas and Kind of Coal, during the year:

Area	Area Number	Character of Coal	No. of Mines in operation Dec. 31, '34	Mines opened during year	Mines re-opened during year	Mines closed, but not abandoned	Mines abandoned during year	Name and Address of District Inspector of Mines
Ardley	1	Domestic	13			1	1	B. Nugent, Camrose, Alberta. Tel. No. 72.
Big Valley	2	Domestic	5			1		
Camrose	5	Domestic	8	1		1		
Carbon	6	Domestic	17					
Castor	8	Domestic	33	2	1	4		
Edmonton	15	Domestic	33	2		1	4	
Rochester	35	Domestic	2	1		1	1	
Tofield	42	Domestic	4					
Wetaskiwin	45	Domestic					1	
Brooks	3	Domestic	4					J. B. deHart, Lethbridge, Alberta Tel. No. 3325.
Champion	9	Domestic	12	2		1		
Lethbridge	20	Domestic	22	1		1		
Magrath	21	Domestic	4	2	1			
Milk River	22	Domestic	3					
Pakowki	28	Domestic	2			2		
Redcliff	34	Domestic	2					
Taber	41	Domestic	13	2	1	3	1	
Coalspur	11	Sub-Bituminous	6			1		Thomas Horne, Edson, Alberta. Tel. No. 35, Residence.
Mountain Park	24	Bituminous	3			1		
Pembina	31	Domestic	5	3		2		
Prairie Creek	33	Sub-Bituminous	2					
Crowsnest	12	Bituminous	9		1	1	1	W. E. G. Hall, Blairmore. Tel. No. 70.
Cascade	7	Bituminous	2					W. G. Heeley, Calgary, Alberta. Tel. No. M5096.
Drumheller	14	Domestic	5			1	1	
(Wayne)								
Gleichen	17	Domestic	2					
Nordegg	25	Bituminous	1					
Pekisko	30	Sub-Bituminous	4			1		
Pincher	32	Sub-Bituminous	3		1		2	
Saunders	36	Sub-Bituminous	2			1	1	
No Area		Domestic				1		
Drumheller	14	Domestic	22	1		4	2	
Gleichen	17	Domestic	2	1		1		A. B. Hunter, Drumheller. Tel. No. 413.
Sheerness	38	Domestic	19	1		4	3	
Halcourt	18	Domestic	5	1		1	3	
Whitecourt	46	Domestic						J. A. Richards, Edmonton. Tel. 916415.
No Area		Domestic	2	1			1	
Total			276	21	5	34	35	

In addition to the above, Mr. James A. Richards, 11009 89th Ave., Edmonton, is acting in the capacity of General District Inspector of Mines, Telephone No. 32662.

BOARD OF EXAMINERS

The constitution of the Board during the year 1934 was as follows:

As representing:

- (a) The Mine Inspectorate:
A. A. Millar, Chief Inspector of Mines.
 - (b) Managers:
Norman Fraser and Robert Livingstone.
 - (c) Working miners:
Wm. Lammie and Evan Morgan.
- Secretary:
J. A. Richards.

Examinations were held during the year as follows:

For third class at the following centres: Blairmore, May 8 and 9; Cadomin, May 8; Drumheller, May 8, 9 and 10; Grande Prairie, May 10 and 11; Edmonton, May 8, 9, 10 and 11; and Lethbridge, May 8, 9, 10, 11 and 14.

For first and second class on June 6, 7 and 8, at Blairmore, Cadomin, Drumheller, Edmonton and Lethbridge.

For mine surveyor on June 8 at Blairmore, Drumheller and Lethbridge.

Seven candidates presented themselves for examination for first class certificates, of whom one was successful.

Twenty-three candidates presented themselves for second class certificates, of whom ten were successful.

Eighty-two candidates presented themselves for examination for third class certificates, of whom fifty-two were successful.

Three candidates presented themselves for examination for mine surveyors' certificates, of whom none were successful.

List of Names of Holders of First Class Certificates granted by the Government of the Province of Alberta during 1934:

Name	Address	Cert. No.	Date of Issue
Gardner, H. H.	Coleman ..	9	18-12-34

List of Names of Holders of Second Class Certificates granted by the Government of the Province of Alberta during 1934:

Burrell, A. K.	Drumheller	37	26 -7 34
Castella, Jens	Standard	35	23- 7-34
Donaldson, Adam ..	Lethbridge	40	13- 8-34
Elkes, F. W.	Drumheller	33	23- 7-34
Gordon, Thomas	East Coulee (Duplicate)	41	29-10-34
Hulbert, H. A.	Coleman	31	23- 7-34
Hamilton, Thomas M.	Blairmore	34	23- 7-34
Hooks, Alberta	Drumheller	38	26- 7-34
McGowan, John	Newcastle	36	26- 7-34
Novak, Mike	Milk River	32	23- 7-34
Pettigrew, Robert	Coleman	30	27- 4-34
Robertson, Duncan	Drumheller	29	10- 3-34
Smith, Peter	Coleman	39	13- 8-34

List of Names of Holders of Third Class Certificates granted by the
Government of the Province of Alberta during 1934:

Name	Address	Cert. No.	Date of Issue
Adamson, Robert	Huxley	157	12- 6-34
Augustin, E. G.	Grande Prairie	164	19- 6-34
Budda, Jos. J.	Bellevue	145	5- 6-34
Bordula, A. J.	Hanna	160	16- 6-34
Baroni, Alfred	Champion	166	27- 6-34
Bignell, E. L.	Gadsby	170	26- 7-34
Comin, Silvio	Bellevue	148	5- 6-34
Calderbank, J. S.	Scapa	155	12- 6-34
Chamberlain, W. H.	Coleman	162	19- 6-34
Craig, Andrew	Coalhurst	169	26- 7-34
Courtorelle, Allan F.	Drumheller	171	13- 8-34
Chiswick, James	Gadsby	175	27- 8-34
Dixon, W. B.	High River	179	10- 9-34
Darbyshire, Harry	Drumheller	183	18-12-34
Forshaw, Richard	East Coulee	138	26- 1-34
Fisher, Samuel	Drumheller	139	26- 1-34
Fawcett, Elmer S.	Cardiff	150	9- 6-34
Farmer, James	Drumheller	176	27- 8-34
Holton, Joseph	Magrath	140	5- 4-34
Hill, Ernest	Coleman	144	5- 6-34
Halbert, B. G.	Trochu	151	9- 6-34
James, Hiram	Heisler	158	16- 6-34
James, Alfred	Drumheller	182	12-10-34
Kurp, B. C.	Alix	143	5- 6-34
Kurp, Thomas J.	Delburne	172	13- 8-34
Krossa, O.	Shaughnessy	181	9-10-34
Low, James A.	Coleman	147	5- 6-34
Morse, W. J.	Hanna	156	12- 6-34
Mitchell, William	Dimsdale	174	27- 8-34
Morel, Marcel	Ghost Pine Creek	180	25- 9-34
McMillan, William	Rosebud	168	26- 7-34
Owens, John	Midlandvale	177	4- 9-34
Oswald, Joseph	Drumheller	178	10- 9-34
Phillips, Alfred J.	Coleman	146	5- 6-34
Poholka, Steve	Edmonton	149	9- 6-34
Perini, John	Lethbridge	153	9- 6-34
Parker, Jack	Cardiff	165	27- 6-34
Potter, I. N.	Nacmine	167	26- 7-34
Richards, Lorenzo	Coleman	142	5- 6-34
Riordan, Leo.	Drumheller	173	13- 8-34
Smillie, John	Drinnan	152	9- 6-34
Sprela, Martin	Willow Creek	163	19- 6-34
Thomson, Alexander	Edmonton	141	5- 6-34
Taylor, Edward	Groton	154	9- 6-34
Williams, John	Barnwell	161	16- 6-34
Young, Albert	Foreman	159	16- 6-34

LIST OF MINES

Mines operating, opened, closed, abandoned and re-opened during 1934, by Areas:

Mine No.	Operator	Address	Location		Character of Coal	Date of			
			L.S.	S.Tp.R.ge.M.		Opening	Closing	Abandonment	Re-opening
Ardley Area—									
255	Carl Kurp	Alix	N.E. 1/4	17-38-23-4	Domestic	1910			
809	Mrs. J. W. Sissons (Box 352)	Alix	E. C.N.R.	33-38-23-4	Domestic	1919			
812	Lamming Bros. (Box 264)	Red Deer	N.W. 1/4	2-38-24-4	Domestic	1919			
912	Super-Heat Coal Co., Ltd.	Ardley	N.E. 1/4	29-38-23-4	Domestic	1921			
949	George Paton	Delburne		27-37-22-4	Domestic	1921			
969	James Blades	Delburne		10-38-22-4	Domestic	1921			
1018	Alex. Johnson	Ardley		17-38-23-4	Domestic	1922			
1049	Mrs. Ethel Ness	Erskine		34-37-22-4	Domestic	1922			
1135	Thos. J. Kurp	Delburne		7-38-23-4	Domestic	1924			
1291	Moses F. Johnson	Haynes	N.E. 1/4	11-38-24-4	Domestic	1929			
1322	John Lyness	Delburne		7-38-23-4	Domestic	1930			
1365	Robert R. Russell	Alix		7-38-23-4	Domestic	1931			
1381	Richard Morland	Nevis		26-37-22-4	Domestic	1932		1934	
1422	Alfred Fox	Nevis	N. 1/2	11-39-22-4	Domestic	1932			
1439	Streich & McGladrie	Nevis		11-39-22-4	Domestic	1933	1934		
Big Valley Area—									
328	Adamson Brothers	Huxley	S.W. 1/4	13-34-22-4	Domestic	1911			
471	C. M. Woden & Partners	Runsey	N. 1/2	18-34-21-4	Domestic	1915		1933	
864	Watson & Ross	Big Valley		26-35-20-4	Domestic	1920			
1189	James McKinlay	Huxley	E. 1/2						
	Peter Murray			3-34-22-4	Domestic	1924			
1254	Peter Murray	Lousana	S.W. 1/4	12-36-22-4	Domestic	1927	1934		
1287	Williams & Jensen	Elnora	S.E. 1/4	16-35-21-4	Domestic	1923			
1407	Municipal Dist. of Vimy No. 337 (Fred Biggs, Sec.-Treas.)	Elnora	E. 1/2, E. 1/2						
		Big Valley	W. 1/2, W. 1/2	4-35-20-4	Domestic	1932			
Brooks Area—									
915	George Ketchmark	Eyremore		14-17-17-4	Domestic	1921			
1329	Kleenbirt Coll., Ltd.	Eyremore		16-17-17-4	Domestic	1930			
1402	John N. Larson	Wheat Centre		28-16-17-4	Domestic	1932			
1404	Kleenbirt Coll., Ltd.	Eyremore	Centre	14-17-17-4	Domestic	1932			
Camrose Area—									
241	Joe Proskow	Dinant		18-48-19-4	Domestic	1919		1928	1933
244	Stoney Creek Coll., Ltd.	Camrose		33-46-20-4	Domestic	1910			
374	Canadian Dinant Coal Co., Ltd.	Dinant		12-48-20-4	Domestic	1912			

THE MINES BRANCH

LIST OF MINES—Continued
 Mines operating, opened, closed, abandoned and re-opened during 1934, by Areas:

Mine No.	Operator	Address	Location		Character of Coal	Date of		
			L.S.	S.Tp Rge.M.		Opening	Closing	Abandonment
601	George Law (R.R. No. 2)	Ohaton	9	10-48-18-4	Domestic	1915		
610	L. Strlezyk (R.R. No. 2)	Ohaton	8	10-48-18-4	Domestic	1915		
760	W. T. Godertage	Round Hill	7	30-48-18-4	Domestic	1913		
971	Studholme & Farmers	Canrose	1	28-46-20-4	Domestic	1922		1933
1420	Red Flame Coal Company	Round Hill	2	19-48-18-4	Domestic	1933		
1450	L. R. Daley	Bittern Lake	14	17-46-21-4	Domestic	1934		
Carbon Area—								
113	Albert Trentham	Three Hills	16	26-31-24-4	Domestic	1906		
194	Julien D. Morel	Three Hills		4-31-22-4	Domestic	1909		
384	Canadian Dinant Coal Co., Ltd.	Three Hills	3	36-31-24-4	Domestic	1913		
444	Andrew Hanson	Three Hills	7	14-31-24-4	Domestic	1914		
690	Mike White	Rowley	4	13-32-21-4	Domestic	1917		
694	Joseph Hodgson	Rowley	13	12-32-21-4	Domestic	1917		
710	Yard & Davidson	Trochu	9	14-33-23-4	Domestic	1917		
817	Harry Trentham	Trochu	2	6-31-21-4	Domestic	1919		1925
904	Peerless Carbon Coll., Ltd., The	Ghost Pine Creek	7	16-29-23-4	Domestic	1921		1925
921	Otto Schlender	Carbon	15	14-33-23-4	Domestic	1921		
1060	Balogh Coal Co., Ltd.	Carbon	12-13	7-29-22-4	Domestic	1922		
1226	C. C. Campbell	Carbon	9	29-33-22-4	Domestic	1926		
1283	David Halbert	Trochu	8	14-33-23-4	Domestic	1928		
1306	E. Morel & Sons	Trochu	9	9-31-22-4	Domestic	1929		
1359	Balogh Bros.	Carbon	15	13-29-23-4	Domestic	1931		
1374	Hugo Bros.	Ghost Pine Creek	5	2-32-22-4	Domestic	1931		1934
1376	Robert Halbert	Trochu	7	30-34-21-4	Domestic	1931		
1396	J. H. Oliphant	Carbon	14	10-29-23-4	Domestic	1932		
1397	J. H. Oliphant	Carbon	5	15-29-23-4	Domestic	1909		1934
Cascade Area—								
2	Canmore Coal Co., Ltd., The	Canmore	1	29-24-10-5	Bituminous	1891		
1244	Frank Wheatley & Sons	Banff	12	4-26-11-5	Bituminous	1926		

[illegible]

LIST OF MINES—Continued

Mines operating, opened, closed, abandoned and re-opened during 1934, by Areas:

Mine No.	Operator	Address	Location		Character of Coal	Date of			
			L.S.	S.Tp.Rge.M.		Opening	Closing	Abandonment	Re-opening
Champion Area—									
136	George Rhodes	Champion	7	8-15-22-4	Domestic	1907		1925	1927
151	Federotti, Passoli & Chemotti	Reid Hill	15	24-16-23-4	Domestic	1907			
758	A. & R. Fraser	Carmanagay	N.W. ¼	25-14-22-4	Domestic	1913			
1137	Cattani, Rota & Travaglia	Champion	S.E. ¼	4-16-23-4	Domestic	1924			
1273	A. Rinaldi & Partners	Champion		33-15-23-4	Domestic	1927			
1319	D. Bonetti	Champion		8-16-23-4	Domestic	1930			
1364	James Henderson	Lomond	S.W. ¼	36-14-22-4	Domestic	1931			
1371	Wm. Ellis, Jr.	Champion		8-16-23-4	Domestic	1931			
1415	A. M. S. McGaw	Champion		5-16-23-4	Domestic	1933			
1418	Mike Popovich	Champion		8-16-23-4	Domestic	1933			
1434	Ray Hornberger	Lomond	W. ½	20-16-21-4	Domestic	1934	1934		
1454	Geo. Duquesne	Champion		32-15-23-4	Domestic	1934			
1466	Thomason, Watson & Sindlinger	Vulcan	N.W. ¼	8-16-23-4	Domestic	1934			
Coalspur Area—									
769	Sterling Coll. Co., Ltd.	Sterco	12	35-47-20-5	Sub-Bituminous	1918			
771	Foothills Coll., Ltd., The	Foothills	10	24-47-20-5	Sub-Bituminous	1918			
775	Lakeside Coals, Ltd.	Robb P.O.	3	14-49-21-5	Sub-Bituminous	1918			
846	McLeod River Hard Coal Co., Ltd.	Mercoal	5	25-48-22-5	Sub-Bituminous	1920			
1002	Coal Valley Mining Co., Ltd.	Coal Valley	16	26-47-20-5	Sub-Bituminous	1922			
1157	Bryan Coal Co., Ltd.	Robb P.O.	11	15-49-21-5	Sub-Bituminous	1924			
Crowsnest Area—									
40	Hillcrest Collieries, Ltd.	Hillcrest	16	18- 7- 3-5	Bituminous	1905			
87	West Canadian Coll., Ltd.	Bellevue	10	20- 7- 3-5	Bituminous	1903			
88	International Coal & Coke Co., Ltd.	Coleman	11	8- 8- 4-5	Bituminous	1903			
133	Mohawk Bituminous Mines, Ltd.	Bellevue	S.E. ¼	21- 7- 3-5	Bituminous	1907		1915	1919
153	Burns Coal Company	Burns		14- 7- 3-5	Bituminous	1907		1928	1934
199	F. H. Holmes	Beaver Mines		3- 6- 2-5	Bituminous	1909		1915	1921
204	McGillivray Creek Coal & Coke Co., Ltd.	Coleman	2	17- 8- 4-5	Bituminous	1909			
295	B. A. Wilson	Pincher Creek	11	10- 5- 1-5	Bituminous	1911			
396	West Canadian Coll., Ltd.	Blairmore	10	2- 8- 4-5	Bituminous	1913			
820	Canadian-American Coal Co.	Coleman	10	34- 7- 5-5	Bituminous	1919		1922	1924
1455	A. J. Pitt	Blairmore	Block 19	35- 7- 4-5	Shale Pitt	1934			

Drumheller Area—	Drumheller	1	9-29-20-4	Domestic	1911
317 Newcastle Coal Co., Ltd.	Drumheller	14	28-28-19-4	Domestic	1912
346 Rosedale Coal Co., Ltd.	Rosedale	10-11	9-29-20-4	Domestic	1912
367 Midland Coal Mining Co., Ltd.	Midlandvale	9	7-28-19-4	Domestic	1934
347 Rose-Deer Coal Mining Co., Ltd.	Wayne	On road allowance between N.E. $\frac{1}{4}$ and N.W. $\frac{1}{4}$	7-29-20-4	Domestic	1913
402 Red Deer Valley Coal Co., Ltd.	Nacmine	N.E. $\frac{1}{4}$ and N.W. $\frac{1}{4}$	8-29-20-4	Domestic	1914
436 Great West Coal Co., Ltd.	Aerial	S.E. $\frac{1}{4}$	8-29-20-4	Domestic	1915
620 Alberta Block Coal Co., Ltd.	Drumheller	N.W. $\frac{1}{4}$	14-28-19-4	Domestic	1916
634 Ferry Coal Company Co., Ltd.	Willow Creek	14	7-28-19-4	Domestic	1916
640 Sovereign Coal Min. Co., Ltd.	Wayne	S.E. $\frac{1}{4}$	7-28-19-4	Domestic	1918
643 Jewel Collieries, Ltd.	Wayne	S.W. $\frac{1}{4}$	28-27-18-4	Domestic	1918
675 Murray Collieries, Ltd.	Drumheller	12	10-29-20-4	Domestic	1917
703 Western Gem Coal Co., Ltd.	Drumheller	13	7-28-19-4	Domestic	1917
727 Mutual Supplies, Ltd.	Wayne	12	19-28-19-4	Domestic	1918
737 Superior Leaf Minerals, Ltd.	Drumheller	12	11-28-19-4	Domestic	1919
813 Superior Grade Coal Co., Ltd.	Willow Creek	13	1-28-20-4	Domestic	1919
819 Elgin Coal Co., Ltd.	Drumheller	16	7-28-19-4	Domestic	1920
844 Robert Taylor Co., Ltd.	Wayne	2	20-27-18-4	Domestic	1921
931 P. A. Whitaker & Sons	East Coulee	3	6-26-20-4	Domestic	1921
1117 Thomas Farmer	Beynon	8	23-23-20-4	Domestic	1922
1214 Hailiton & Rowden	Drumheller	S.E. $\frac{1}{4}$	23-23-18-4	Domestic	1924
1253 Brilliant Coal Co., Ltd.	Drumheller	15	23-23-18-4	Domestic	1934
1273 Atlas Coal Co., Ltd.	Drumheller	11-14	29-27-18-4	Domestic	1927
1278 Empire Collieries, Ltd.	Willow Creek	16	7-28-18-4	Domestic	1928
1283 Aetna Coal Company	Willow Creek	6	28-27-18-4	Domestic	1928
1293 Empire Collieries, Ltd.	East Coulee	2	32-27-18-4	Domestic	1929
1300 United Coal Co., The	Drumheller	15	12-28-19-4	Domestic	1929
1311 Wilfrid Liddle	Hesketh	15	7-29-21-4	Domestic	1934
1321 Ben Pickering	Beynon	16	31-27-20-4	Domestic	1931
1335 The Minute Coal Co.	Drumheller	15	11-29-20-4	Domestic	1931
1367 Ry-Grade Coal Co., Ltd.	Drumheller	13	11-29-20-4	Domestic	1933
1421 Thomas Coal Mines, Ltd., The	Rosedale Sth.	12	20-28-19-4	Domestic	1933
Edmonton Area—					
24 Big Island Mine	Edmonton South	14	20-51-25-4	Domestic	1897
29 Evan N. Richards	Edmonton South	11	25-51-25-4	Domestic	1897
43 Thomson Bros.	Beverly	15	7-53-23-4	Domestic	1899
60 Keith & Fulton	Clover Bar	16	7-53-23-4	Domestic	1902
99 Fraser-Mackay Coll., Ltd.	Clover Bar	13-14	8-53-23-4	Domestic	1904
91 Ottewell Coal Co.	Clover Bar	13-14	8-53-23-4	Domestic	1904
99 Great West Coal Co., Ltd.	Clover Bar	10	17-53-23-4	Domestic	1903
129 Levi Parker	Cardiff	16	7-53-23-4	Domestic	1907
155 Dawson Coal, Ltd.	Edmonton	R.L. 25	23-55-25-4	Domestic	1907
351 Frank Chiarollo	Legal	S.W. $\frac{1}{4}$	25-57-25-4	Domestic	1913
389 William Smith	Namoo	16	8-55-24-4	Domestic	1913

THE MINES BRANCH

LIST OF MINES—Continued

Mines operating, opened, closed, abandoned and re-opened during 1934, by Areas:

Mine No.	Operator	Address	Location		Character of Coal	Date of			
			L.S.	S.Tp.Rge.M.		Opening	Closing	Abandonment	Re-opening
Edmonton Area (continued)—									
428	Penn Coals, Ltd.	Namoo	10	8-55-24-4	Domestic	1914		1915	1920
699	Marcus Coals, Ltd.	Clover Bar	15	8-53-23-4	Domestic	1917			
707	Bush Mines, Ltd.	Beverly	R.L. 40	Edmonton Settlement	Domestic	1917		1918	1920
869	Edina Coal Co., Ltd.	Edmonton	R.L. 26	Edmonton Settlement	Domestic	1920			
888	Pearson & Branton	Calmar	6	36-50-27-4	Domestic	1921		1926	1931
1034	Kost Nimko	Edmonton South	11	25-51-25-4	Domestic	1922			
1091	Rabbit Hill Coll., W. E. Gibb	Edmonton South	9	26-51-25-4	Domestic	1923		1924	1925
1098	Hardite Coal Co., Ltd.	Namoo	3	31-54-24-4	Domestic	1923			
1099	Knite Coal Company, Ltd.	Nisku	12	6-51-25-4	Domestic	1923			
1167	Geo. & H. Booth	Beverly	1	18-53-23-4	Domestic	1924			
1229	The Darke Coal Company	Bon Accord	9	3-56-23-4	Domestic	1926			
1233	Mike Sinoski	Edmonton South	5	25-51-25-4	Domestic	1926			
1266	McDonell & Gwilliam	Namoo	14	36-54-25-4	Domestic	1927			
1297	W. C. Allen (R. R. No. 3)	Edmonton South	1	26-51-25-4	Domestic	1929			
1316	Samis Collieries	Namoo	11	36-54-25-4	Domestic	1929			
1321	Roberts Coal Co.	Cardiff	15	24-55-25-4	Domestic	1930			
1352	Steve Poholka	Edmonton South	8	26-51-25-4	Domestic	1931			
1357	Fridel Red Hot Coal Co.	Edmonton	R.L. 33	Edmonton Settlement	Domestic	1931			
1366	Beverly Coal Co., Ltd.	Edmonton	6	13-53-24-4	Domestic	1931			
1395	Hope Mining Co.	Namoo	7	24-54-25-4	Domestic	1932			
1419	Robinson & Wiltse	Edmonton South	4	25-51-25-4	Domestic	1933			
1427	Kent Coal Co., Ltd.	Edmonton	4	30-52-23-4	Domestic	1933			
1437	Independent Coal Co.	Nisku	4	6-51-25-4	Domestic	1933		1934	
1438	Victor Coal Company	Edmonton	N. 1/2	6-51-25-4	Domestic	1933			
1462	Joseph Pickard	Edmonton	12	25-51-25-4	Domestic	1934			
1463	Riverdale Coal Co.	Edmonton	N.W. cor.		Domestic	1934			
			N.E. 1/4	5-55-24-4	Domestic	1934			
Gleichen Area—									
299	Seyern Creek Service Coal Mine	Rosebud	4	29-26-21-4	Domestic	1911			
1249	Jas. Finlayson	Bassano	7	26-20-19-4	Domestic	1926			
1265	Hans Castella & Son	Standard	5	11-25-22-4	Domestic	1927			
1431	Consumers Coal Co.	Rosebud	3	29-26-21-4	Domestic	1933			
1452	Dania Coal Co.	Standard	10	3-25-22-4	Domestic	1934			

Halcourt Area—									
651 Blum & Ganley	Lymburn	15	35-70- 7-6	Domestic	1916	1934	1934		
1134 E. H. Williamson	Halcourt	7	21-70- 7-6	Domestic	1924				
1360 Joskill & Schneider	Dimsdale	7	21-70- 7-6	Domestic	1921				
1399 R. T. Ross	Grande Prairie	7-8-9	21-70- 7-6	Domestic	1922				
1410 Grudzinski & Young	Hualien	14	8-70- 9-6	Domestic	1932	1934			
1433 Mitchell Bros. & Aseltine Bros.	Dimsdale	5	16-70- 7-6	Domestic	1933				
1442 Jas. Dunbar & Son	Hinton Trail	5	21-70- 7-6	Domestic	1933				
1443 Gibney & Maus	Dimsdale	6	22-70- 7-6	Domestic	1933	1934			
1465 The Blum Coal Company	Dimsdale	4	2-71- 7-6	Domestic	1933				
1-2		1-2			1934				
Lethbridge Area—									
3 Can. Pac. Ry. Co., Dept. Nat. Resources, No. 6 Mine	Lethbridge	15	18- 9-21-4	Domestic	1908				
54 Cadillac Coal Co., Ltd.	Lethbridge	5	36- 8-22-4	Domestic	1902				
55 Holton, Jos.	Lethbridge	1	18- 7-21-4	Domestic	1902				
56 Rozzolini & Partners	Magrath	3	7- 7-21-4	Domestic	1902				
174 Royalties Oil & Share Cor., Ltd.	Coalhurst	2	21- 9-22-4	Domestic	1908				
192 City of Lethbridge	Lethbridge	7	36- 8-22-4	Domestic	1909				
203 H. Dupen & Partners	Lethbridge	9	31- 9-21-4	Domestic	1909	1926			
738 George Rollinson	Lethbridge	2	11- 8-22-4	Domestic	1918				
750 Henry Novotny	Picture Butte	14	27-10-21-4	Domestic	1913				
761 Robt. Crawford	Lethbridge	4	36- 8-22-4	Domestic	1918				
871 John Rollinson	Lethbridge	14	36- 8-22-4	Domestic	1920				
889 Ben Welsh (Box 39)	Lethbridge	15	2- 8-22-4	Domestic	1921				
983 E. H. Warren & Partners	Lethbridge	11-12	27-10-21-4	Domestic	1922				
984 E. J. Challenger	Picture Butte	1	2- 7-22-4	Domestic	1922				
1020 T. W. Kerrison	Magrath	3	7- 7-21-4	Domestic	1922				
1045 Arthur Bembridge	Lethbridge	15	2- 8-22-4	Domestic	1922				
1086 Cattoni, Perini & Viola	Magrath	5	8- 7-21-4	Domestic	1923				
1095 Royal Lethbridge Coll.	Lethbridge	9	30- 9-21-4	Domestic	1923				
1109 Deguast, Nelson & Lund	Lethbridge	8	31- 9-21-4	Domestic	1927				
1263 Cadillac Coal Co., Ltd.	Shaughnessy	11	30-10-21-4	Domestic	1927				
1414 Northern Coal Company	Picture Butte	12	33-10-21-4	Domestic	1933				
1423 Brearley & Hamilton	Lethbridge	3	1- 9-22-4	Domestic	1933				
1464 Can. Pac. Ry., Dept. Nat. Res.	Lethbridge	3	2- 9-22-4	Domestic	1934				
Magrath Area—									
316 Jos. Gibson	Cardston	12	26- 2-26-4	Domestic	1911	1929			
650 Pontarollo & Lazzarotto	Beazer	9	6- 2-26-4	Domestic	1915	1934			
668 Pontarollo & Lazzarotto	Beazer	3	7- 2-26-4	Domestic	1916	1917			
1332 Smith, Fitzpatrick & Hastings	Hillspring	2	35- 4-28-4	Domestic	1930	30-6-34			
1470 W. C. Smith, Jr., & Partners	Hillspring	8	28- 4-28-4	Domestic	1934	1934			
458 Briscoe & Stuckey	Hillspring	14	27- 4-28-4	Domestic	1914	31-8-34			
1461 Smith, Fitzpatrick & Hastings	Hillspring	14	23- 4-28-4	Domestic	1-7-34				

LIST OF MINES—Continued

Mines operating, opened, closed, abandoned and re-opened during 1934, by Areas:

Mine No.	Operator	Address	Location		Character of Coal	Date of		
			L.S.	S. Tp. Rge. M.		Opening	Closing	Abandonment	Re-opening
Milk River Area—								
179	Tim Speed	Milk River	S.E. ¼	13	Domestic	1908		1930
1301	Thomas Taylor	Groton		8-9-10	Domestic	1929		
1380	J. J. Mueller	Masinasin	W. ½	9-10	Domestic	1931		
Mountain Park Area—								
282	Mountain Park Coll., Ltd.	Mountain Park	S.E. ¼	14	Bituminous	1911		
693	Cadomin Coal Co., Ltd.	Cadomin		14	Bituminous	1917		
905	Luscar Collieries, Ltd.	Luscar		7	Bituminous	1921		
1363	James G. Pickard	Mountain Park		11	Bituminous	1931		1934
Nordegg Area—								
256	Brazeau Collieries, Ltd.	Nordegg		13	Bituminous	1910		
Pakowki Area—								
341	C. Perini & Sons	Granlea	N.E. ¼	7	Domestic	1912		
602	Hoving & Sons	Little Plume	S.W. ¼	10	Domestic	1915		
			S.E. ¼	11	Domestic	1917		
689	Geo. Bragdish	Thelma		5-12	Domestic	1917		
718	Walter Reville	Tothill		15	Domestic	1921		
965	Comrey Coal Co.	Convey		5	Domestic	1921	1934	
1138	William Geddes	Little Plume	W. ½	15	Domestic	1924		1930
1318	Raeder & Fregin	Elkwater		10	Domestic	1929		
1331	H. C. Delmas	Thelma		4	Domestic	1930	1934	
Pekisko Area—								
361	Harry Swan	Priddis	N.W. ¼		Sub-Bituminous	1912		1934
924	DePaoli Bros.	Cayley		14	Sub-Bituminous	1921		
1004	Dixon Bros.	Longview		3	Sub-Bituminous	1922		
11142	Wilkinson & Gilmour	Bragg Creek		11	Sub-Bituminous	1924		
13388	Frank Almquist	Turner Valley		7	Sub-Bituminous	1932		
Pemlina Area—								
227	Royalities Oil and Share Cor., Ltd.	Evansburg		2	Domestic	1910		
419	Lakeside Coals, Ltd.	Wabamun		15	Domestic	1913		
1347	Brown & Teer	Sangudo		15	Domestic	1931	1934	
1409	Geo. Sturif	Gainford	S.E. ¼		Domestic	1932		

1412 Timothy Bentley	Seba Beach	7	5-53- 5-5	Domestic	1933	1934	.....
1451 Sam Everington	Holborn	7-8	33-50- 1-5	Domestic	1934	.....	.....
1459 Thomson & Kerr	Holborn	14	29-50- 1-5	Domestic	1934	.....	.....
1471 Beniston & Partners	Holborn	1	3-51- 1-5	Domestic	1934	.....	.....
Pincher Area—							
59 S. L. Purdy & Sons	Lundbreck	15	26- 7- 2-5	Sub-Bituminous	1902	1923	1927
76 Chas. Patton	Lundbreck	11	23- 7- 2-5	Sub-Bituminous	1906	1927	1928
1132 W. B. Rhodes	Lundbreck	4	1- 8- 2-5	Sub-Bituminous	1924	1928	1934
1251 G. Davies & Partners	Lundbreck	15	24- 7- 2-5	Sub-Bituminous	1926	1934	.....
1440 Rhodes Bros.	Lundbreck	10	26- 7- 2-5	Sub-Bituminous	1933	1934	.....
Prairie Creek Area—							
1257 Hinton Collieries, Ltd.	Hinton	14	10-51-25-5	Sub-Bituminous	1927	.....	.....
1296 Jasper Coal, Ltd.	Drinnan	7	19-51-24-5	Sub-Bituminous	1929	.....	.....
Redcliff Area—							
165 Gunderson Brick & Coal Co., Ltd.	Redcliff	14	5-13- 6-4	Domestic	1908	.....	.....
772 J. T. Oliphant	Medicine Hat	2	5-13- 6-4	Domestic	1918	.....	.....
Rochester Area—							
1397 Pickardville Coal Co., Ltd.	Pickardville	15	5-59-26-4	Domestic	1932	1934	.....
1444 W. A. Sutherland & Sons	Pickardville	16	36-58-27-4	Domestic	1933	.....	.....
1428 A. Kerr	Radway Centre	16	24-59-21-4	Domestic	1933	.....	.....
1467 Libitz & Partners	Opal	11	15-58-22-4	Domestic	1934	.....	.....
Saunders Area—							
388 Bighorn & Saunders Creek Coll., Ltd.	Saunders	9	24-40-13-5	Sub-Bituminous	1913	.....	.....
756 Alexo Coal Co., Ltd.	Alexo	16	23-40-13-5	Sub-Bituminous	1920	1934	.....
852 Alexo Coal Co., Ltd.	Alexo	9	27-40-13-5	Sub-Bituminous	1920	.....	.....
823 Albert Morton	Harlech	.....	10-41-14-5	Sub-Bituminous	1919	1934	1933
Sheerness Area—							
262 Campbell & Wilkie	Sheerness	2	19-29-12-4	Domestic	1910	1934	.....
354 E. B. Foye	Della	9	21-30-17-4	Domestic	1912	.....	.....
375 J. S. Calderbank	Scapa	7	1-34-14-4	Domestic	1912	1934	.....
443 Chirnook Coal Co., Ltd.	Sheerness	1	12-29-13-4	Domestic	1914	.....	.....
477 A. W. Ross & Partners	Della	3	28-30-17-4	Domestic	1915	.....	.....
486 J. R. Hemstock	Hanna	3	29-32-13-4	Domestic	1915	.....	.....
497 Morse Brothers	Hanna	1	19-29-14-4	Domestic	1915	.....	.....
995 Leavell Coal Co., Ltd.	Sheerness	14	18-29-13-4	Domestic	1922	1934	.....
1039 Norman Edwards	Craigmyle	2	3-33-16-4	Domestic	1922	1934	.....
1184 H. Sward	Rose Lynn	5	35-28-13-4	Domestic	1924	.....	.....
1231 B. A. Kirkeby	Craigmyle	3	3-33-16-4	Domestic	1926	.....	.....
1236 R. J. Unsworth	Scapa	16	25-33-14-4	Domestic	1926	.....	.....
1294 H. Finkbner	Scapa	1	36-33-14-4	Domestic	1929	1934	.....
1314 T. E. Stubbs	Hanna	1	6-29-14-4	Domestic	1929	.....	.....
1328 James Bradshaw	Scapa	2	1-34-14-4	Domestic	1930	.....	.....
1370 J. Malcolm	Hanna	8	6-30-13-4	Domestic	1931	.....	.....

THE MINES BRANCH

LIST OF MINES—Continued

Mines operating, opened, closed, abandoned and re-opened during 1934, by Areas:

Mine No.	Operator	Address	Location		Character of Coal	Date of		
			L.S.	S.Tp.Rge.M.		Opening	Closing	Abandonment	Re-opened
Sheerness Area (continued)—								
1387	Henry White	Craigmyle	2	18-32-16-4	Domestic	1932		
1398	Ironside Bros.	Scapa	12	5-34-13-4	Domestic	1932		
1401	Fred Pahl	Hanna	7	30-32-13-4	Domestic	1932		
1416	A. J. Bordula	Hanna	9	19-29-14-4	Domestic	1933		
1425	W. H. D'Arcy	Hanna	6	30-29-13-4	Domestic	1933	1934	
1426	D. W. Harvey	Hanna	2	6-30-13-4	Domestic	1933		
1432	Leavell Coal Co., Ltd.	Sheerness	5	19-29-12-4	Domestic	1933		
1445	Fire Chief Coal Company	Sheerness	16	12-29-13-4	Domestic	1933		
1449	A. Miller	Delia	6	21-30-17-4	Domestic	1933		
1456	G. Weber	Endiang	6	34-33-14-4	Domestic	1934		
Taber Area—								
132	Wallwork & Hesketh	Taber	14	7-10-16-4	Domestic	1907		
201	Mullen & Wood	Taber	4	18-10-16-4	Domestic	1909		
377	Geo. Gibson	Grassy Lake	4	25-9-13-4	Domestic	1913		1927
448	J. & L. Santoni	Bow Island	3	36-11-11-4	Domestic	1914		
672	D. Annon	Winnifred	3	27-12-10-4	Domestic	1916		
691	A. J. Cutland	Grassy Lake	15	23-9-13-4	Domestic	1917		
712	Wm. & Geo. Hart	Barnwell	8	4-10-17-4	Domestic	1917		1918
711	Empire Coll. Ltd.	Barnwell	13	6-8-10-4	Domestic	1917		1924
1003	M. Corraini & V. Marcello	Maleb	15	13-7-9-4	Domestic	1922		1934
1114	C. Lanz	Ezikom	15	13-7-9-4	Domestic	1923		1926
1122	Edward Oliver	Taber	2	1-10-17-4	Domestic	1923		1930
1145	Dunn Brothers	Taber	1	13-10-17-4	Domestic	1924		
1317	Evan Evans & T. Hutchinson	Taber	9	19-10-16-4	Domestic	1929		
1334	Victor W. Campbell	Grassy Lake	4	26-9-13-4	Domestic	1930	1934	1934
1453	Henry Miller	Taber	15	19-10-16-4	Domestic	1934		
838	Jules Lavenne	Redcliff	7	28-12-10-4	Domestic	1934	1934	1934
1458	W. E. Bullock	Taber	5	17-10-16-4	Domestic	1934	1934	
Tofield Area—								
215	Tredway Bros.	Dodds	7	14-49-18-4	Domestic	1909		
252	Tofield Coal Co., Ltd.	Tofield		26-50-19-4	Domestic	1910		
1107	J. I. Bowie & Partners	Dodds	15	11-49-18-4	Domestic	1923		
1206	Ryley Coal Co.	Ryley	8	8-49-17-4	Domestic	1925		

Wetaskiwin Area— 1310 J. J. Mills	Warburg	14	13-49- 3-5	Domestic	1929	1934	.....
No Area— 1446 Messmer Coal Co.	Barrhead	15	17-60- 2-5	Domestic	1933	.....	.....
1448 H. Martin	Sundre	13	5-32- 6-5	Domestic	1933	.....	.....
1469 J. Bajer & Partners	Faust	16	21-73- 8-5	Domestic	1934	.....	.....
Whitecourt Area— 1084 Kurt Mueller	Mayerthorpe	1	14-56- 9-5	Domestic	1923	1934	.....

